



U.S. General Services Administration

IT Schedule 70

AUTHORIZED  
INFORMATION TECHNOLOGY SCHEDULE PRICELIST  
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY  
EQUIPMENT, SOFTWARE AND SERVICES

Special Item No. 132-8 Purchase of New Equipment  
Special Item No. 132-12 Equipment Maintenance

Note: All non-professional labor categories must be incidental to and used solely to support hardware, software and/or professional services, and cannot be purchased separately.

## SPECIAL ITEM NUMBER 132-8 PURCHASE OF NEW EQUIPMENT

### FSC CLASS 7010 - SYSTEM CONFIGURATION

- End User Computers/Desktop Computers
- Professional Workstations
- Servers
- Laptop/Portable/Notebook Computers
- Large Scale Computers
- Optical and Imaging Systems
- Other Systems Configuration Equipment, Not Elsewhere Classified

### FSC CLASS 7025 - INPUT/OUTPUT AND STORAGE DEVICES

- Printers
- Display
- Graphics, including Video Graphics, Light Pens, Digitizers, Scanners, and Touch Screens
- Network Equipment
- Other Communications Equipment
- Optical Recognition Input/Output Devices
- Storage Devices including Magnetic Storage, Magnetic Tape Storage and Optical Disk Storage
- Other Input/Output and Storage Devices, Not Elsewhere Classified

### FSC Class 7042 - MINI AND MICRO COMPUTER CONTROL DEVICES

- Microcomputer Control Devices
- Telephone Answering and Voice Messaging Systems

### FSC CLASS 7050 - ADP COMPONENTS

- ADP Boards

NOTE: Installation must be incidental to, in conjunction with and in direct support of the products sold under SIN 132-8 of this contract and cannot be purchased separately. If the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act apply. In applying the Davis-Bacon Act, ordering activities are required to incorporate wage rate determinations into orders, as applicable.



**RTD Embedded Technologies, Inc**

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**SPECIAL ITEM NUMBER 132-12 - EQUIPMENT MAINTENANCE**

FSC/PSC Class J070 - Maintenance and Repair of ADP Equipment & Supplies

- Repair Service

RTD Embedded Technologies, Inc.  
103 Innovation Blvd  
State College, PA 16803  
814-234-8087  
<http://www.rtd.com>  
[sales@rtd.com](mailto:sales@rtd.com)

Contract Number: GS-35F-0362X

Period Covered by Contract: 04/29/2011 to 04/28/2016

General Services Administration  
Federal Acquisition Service

Pricelist current through Modification # Original, dated 04/29/2011.

Products and ordering information in this Authorized Information Technology Schedule Pricelist are also available on the GSA Advantage! System (<http://www.gsadvantage.gov>).



**RTD Embedded Technologies, Inc**

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## INFORMATION FOR ORDERING ACTIVITIES APPLICABLE TO ALL SPECIAL ITEM NUMBERS

### **SPECIAL NOTICE TO AGENCIES: Small Business Participation**

SBA strongly supports the participation of small business concerns in the Federal Acquisition Service. To enhance Small Business Participation SBA policy allows agencies to include in their procurement base and goals, the dollar value of orders expected to be placed against the Federal Supply Schedules, and to report accomplishments against these goals.

For orders exceeding the micropurchase threshold, FAR 8.404 requires agencies to consider the catalogs/pricelists of at least three schedule contractors or consider reasonably available information by using the GSA Advantage!™ on-line shopping service ([www.gsaadvantage.gov](http://www.gsaadvantage.gov)). The catalogs/pricelists, GSA Advantage!™ and the Federal Acquisition Service Home Page ([www.gsa.gov/fas](http://www.gsa.gov/fas)) contain information on a broad array of products and services offered by small business concerns.

This information should be used as a tool to assist ordering activities in meeting or exceeding established small business goals. It should also be used as a tool to assist in including small, small disadvantaged, and women-owned small businesses among those considered when selecting pricelists for a best value determination.

For orders exceeding the micropurchase threshold, customers are to give preference to small business concerns when two or more items at the same delivered price will satisfy their requirement.

### **1. RTD EMBEDDED TECHNOLOGIES, INC. (RTD) – CAPABILITIES OVERVIEW**

RTD Embedded Technologies designs and manufactures its own products. Incorporated in 1985, RTD Embedded Technologies, Inc.—a founder of the PC/104 Consortium and an AS9100 and ISO 9001 certified company—specializes in the research, design, and manufacturing of highly-reliable, innovative, rugged, and modular PC/104, PC/104-Plus, PCI-104, PCI/104-Express, PCIe/104, desktop, and 19-inch rack compliant modules and systems, addressing CPU, digital signal processing, intelligent process control, data acquisition and processing, adaptive signal processing, video capture, telematics, wireless, field bus, power supply, and UPS technologies. RTD's rugged, modular, and universal system solutions (IDAN, HiDAN, and HiDAN*plus*) are available in standard and custom designs for all RTD products as well as third party products. With add-in drivers, developed software environments, and example programs, RTD provides a clear, one-stop, fast development experience with long-lasting support for the embedded customer. For over 25 years RTD's products have been subject to extreme shock and vibration, humidity, and extreme temperatures in the harshest conditions of the oceans, deserts, arctic poles, high altitudes, and space by companies in the commercial, industrial, military, and aerospace markets. These technologies are appropriate for air, sea, and ground control mission requirements of any service branch and have extensive applications in other U.S. operational and information gathering agencies.

As a leader in the embedded marketplace, RTD co-founded the PC/104 Consortium in 1992. The PC/104 Consortium is a technical organization dedicated to establishing, maintaining, and distributing specifications supporting the PC/104 and other small form factors, to reviewing new specifications, and to disseminating information to manufacturers and users. It also provides a liaison function between the PC/104 community and other standard organizations. RTD has been a key leader of the Consortium by being a member of its Board of Directors and Technical Committee since its inception, Serving as Chairman of the Board for many years, and serving as



## **RTD Embedded Technologies, Inc**

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Technical Committee Chair for most of its history. During that time RTD has been instrumental in the development of most of its long standing, world-wide, industrial standards, as well as, the modernization of the Consortium's market presence.

RTD's product offering is the broadest in the industry, guaranteeing system integrity and minimal debugging. The RTD staff combines expert knowledge with years of engineering and field experience in a variety of software, electrical, mechanical, and system integrating disciplines to provide the necessary resources to not only follow a project from start to integration, but to follow it through its entire life cycle. RTD's high-performance products are Designed and Manufactured in the USA at our facilities in State College, PA. RTD sells its products world-wide. With cutting-edge design and testing tools, state-of-the-art precision manufacturing, inspection, and testing equipment, RTD proves that superior products can be, and still are produced here in America.

RTD's Quality Management System is certified as AS9100 and ISO9001. The system is comprehensive, completely documented, and provides for the implementation of processes and procedures throughout the entire organization. These processes are designed to facilitate the highest quality with a zero-defect philosophy, enhance customer satisfaction, and promote continuous improvement initiatives in the areas of training, design control, contract review, purchasing, receiving, production, inspection, test, delivery, and post delivery activities. Projects are reduced to distinct phases including contract review, design (when applicable), purchasing related activities, production, test/inspection, and delivery. RTD uses a Material Resource Planning database to effectively plan, carry out and track the purchasing of components, parts, and other bill of material items required for any number of projects. The system is also used to monitor in-process production activities for subassemblies and final assemblies for board level and system level products. Specific work orders are created for each production phase of a project and job travelers accompany materials as they are tracked throughout the process. RTD also has fundamental accounting internal controls in place which successfully pass the scrutiny of independent auditors.

### **2. GEOGRAPHIC SCOPE OF CONTRACT:**

*Domestic delivery* is delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.

*Overseas delivery* is delivery to points outside of the 48 contiguous states, Washington, DC, Alaska, Hawaii, Puerto Rico, and U.S. Territories.

Offerors are requested to check one of the following boxes:

- [ X ] The Geographic Scope of Contract will be domestic and overseas delivery.
- [ ] The Geographic Scope of Contract will be overseas delivery only.
- [ ] The Geographic Scope of Contract will be domestic delivery only.

### **3. CONTRACTOR'S ORDERING ADDRESS AND PAYMENT INFORMATION:**

RTD Embedded Technologies, Inc.  
103 Innovation Blvd  
State College, PA 16803

Contractor must accept the credit card for payments equal to or less than the micro-purchase for oral or written orders under this contract. The Contractor and the ordering agency may agree to use the credit card for dollar amounts over the micro-purchase threshold (See GSAR 552.232-79 Payment by Credit Card). In addition, bank account information for wire transfer payments will be shown on the invoice.



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The following telephone number(s) can be used by ordering activities to obtain technical and/or ordering assistance:

Telephone: (814) 234-8087  
Fax: (814) 234-5218  
Email: [sales@rtd.com](mailto:sales@rtd.com)  
Website: <http://www.rtd.com>

**4. LIABILITY FOR INJURY OR DAMAGE**

The Contractor shall not be liable for any injury to ordering activity personnel or damage to ordering activity property arising from the use of equipment maintained by the Contractor, unless such injury or damage is due to the fault or negligence of the Contractor.

**5. STATISTICAL DATA FOR GOVERNMENT ORDERING OFFICE COMPLETION OF STANDARD FORM 279:**

Block 9: G. Order/Modification Under Federal Schedule Contract  
Block 16: Data Universal Numbering System (DUNS) Number: 118522614  
Block 30: Type of Contractor: B. Other Small Business  
    A. Small Disadvantaged Business  
    B. Other Small Business  
    C. Large Business  
    G. Other Nonprofit Organization  
    L. Foreign Contractor  
  
Block 31: Woman-Owned Small Business - No  
Block 37: Contractor's Taxpayer Identification Number (TIN): 25-1505645  
Block 40: Veteran Owned Small Business (VOSB): No

- 4a. CAGE Code: 0HRX6
- 4b. Contractor has registered with the Central Contractor Registration Database.

**6. FOB DESTINATION:**

Delivery of all RTD products is subject to delivery charges and will be charged and added as a separate line item on the invoice to the Customer upon shipment from RTD to the Customer. Delivery charges will be determined between the Customer and RTD prior to the issuance and acceptance of a Purchase Order.

**7. DELIVERY SCHEDULE**

a. TIME OF DELIVERY: The Contractor shall deliver to destination within the number of calendar days after receipt of order (ARO), as set forth below. This Time of Delivery is typical and may vary with quantity required, parts availability, and backlog. Time of Delivery will be set prior to issuance and acceptance of a Purchase Order.

SPECIAL ITEM NUMBER	DELIVERY TIME (Days ARO)
<u>SIN 132-8</u>	<u>42</u> Days



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b. **URGENT REQUIREMENTS:** When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering activity, ordering activities are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering activity, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract.

### **8. DISCOUNTS:**

Prices shown are NET Prices; Basic Discounts have been deducted.

- a. Prompt Payment: NONE
- b. Quantity:           3%                   10 –49 pieces  
                          6%                   50 –99 pieces  
                          9%                   100 – 499 pieces  
                          11%                  500 – 999 pieces  
                          13%                  1000+ pieces

\* Quantity discounts are off of the 1 – 9 piece price

- c. Dollar Volume: NONE
- d. Government Educational Institutions: Government Educational Institutions are offered the same discounts as all other Government customers
- e. Other: NONE

### **9. TRADE AGREEMENTS ACT OF 1979, as amended:**

All items are U.S. made end products, designated country end products, Caribbean Basin country end products, Canadian end products, or Mexican end products as defined in the Trade Agreements Act of 1979, as amended.

### **10. STATEMENT CONCERNING AVAILABILITY OF EXPORT PACKING:**

In addition to its standard commercial packing practice, RTD is capable of providing extra packing protection for equipment and software that are intended for export. This service is available to ordering agencies at an additional cost. Charges for this type of service will be negotiated on a case-by-case basis. In the absence of any specific instructions from ordering agencies, RTD will pack all ordered equipment and software in the manner that is consistent with its standard commercial practice.

### **11. SMALL REQUIREMENTS:**

The minimum dollar value of orders to be issued is \$100.00

### **12. MAXIMUM ORDER:**

(All dollar amounts are exclusive of any discount for prompt payment.)

- a. The Maximum Order value for the following Special Item Number (SIN) is \$500,000:

Special Item Number 132-8 - Purchase of Equipment  
Special Item Number 132-12 - Equipment Maintenance



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### **13. ORDERING PROCEDURES FOR FEDERAL SUPPLY SCHEDULE CONTRACTS**

Ordering activities shall use the ordering procedures of Federal Acquisition Regulation (FAR) 8.405 when placing an order or establishing a BPA for supplies or services. These procedures apply to all schedules.

- a. FAR 8.405-1 Ordering procedures for supplies, and services not requiring a statement of work.
- b. FAR 8.405-2 Ordering procedures for services requiring a statement of work.

### **14. FEDERAL INFORMATION TECHNOLOGY/TELECOMMUNICATION STANDARDS REQUIREMENTS:**

Ordering activities acquiring products from this Schedule must comply with the provisions of the Federal Standards Program, as appropriate (reference: NIST Federal Standards Index). Inquiries to determine whether or not specific products listed herein comply with Federal Information Processing Standards (FIPS) or Federal Telecommunication Standards (FED-STDS), which are cited by ordering activities, shall be responded to promptly by the Contractor.

#### **14.1 FEDERAL INFORMATION PROCESSING STANDARDS PUBLICATIONS (FIPS PUBS):**

Information Technology products under this Schedule that do not conform to Federal Information Processing Standards (FIPS) should not be acquired unless a waiver has been granted in accordance with the applicable "FIPS Publication." Federal Information Processing Standards Publications (FIPS PUBS) are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Information concerning their availability and applicability should be obtained from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161. FIPS PUBS include voluntary standards when these are adopted for Federal use. Individual orders for FIPS PUBS should be referred to the NTIS Sales Office, and orders for subscription service should be referred to the NTIS Subscription Officer, both at the above address, or telephone number (703) 487-4650.

**14.2 FEDERAL TELECOMMUNICATION STANDARDS (FED-STDS):** Telecommunication products under this Schedule that do not conform to Federal Telecommunication Standards (FED-STDS) should not be acquired unless a waiver has been granted in accordance with the applicable "FED-STD." Federal Telecommunication Standards are issued by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST), pursuant to National Security Act. Ordering information and information concerning the availability of FED-STDS should be obtained from the GSA, Federal Acquisition Service, Specification Section, 470 East L'Enfant Plaza, Suite 8100, SW, Washington, DC 20407, telephone number (202)619-8925. Please include a self-addressed mailing label when requesting information by mail. Information concerning their applicability can be obtained by writing or calling the U.S. Department of Commerce, National Institute of Standards and Technology, Gaithersburg, MD 20899, telephone number (301)975-2833.

### **15. CONTRACTOR TASKS / SPECIAL REQUIREMENTS (C-FSS-370) (NOV 2003)**

- (a) Security Clearances: The Contractor may be required to obtain/possess varying levels of security clearances in the performance of orders issued under this contract. All costs associated with obtaining/possessing such security clearances should be factored into the price offered under the Multiple Award Schedule.
- (b) Travel: The Contractor may be required to travel in performance of orders issued under this contract. Allowable travel and per diem charges are governed by Pub .L. 99-234 and FAR Part 31, and are reimbursable by the ordering agency or can be priced as a fixed price item on orders placed under the Multiple Award Schedule. Travel in performance of a task order will only be reimbursable to the extent authorized by the ordering agency. The Industrial Funding Fee does NOT apply to travel and per diem charges.



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- (c) **Certifications, Licenses and Accreditations:** As a commercial practice, the Contractor may be required to obtain/possess any variety of certifications, licenses and accreditations for specific FSC/service code classifications offered. All costs associated with obtaining/ possessing such certifications, licenses and accreditations should be factored into the price offered under the Multiple Award Schedule program.
- (d) **Insurance:** As a commercial practice, the Contractor may be required to obtain/possess insurance coverage for specific FSC/service code classifications offered. All costs associated with obtaining/possessing such insurance should be factored into the price offered under the Multiple Award Schedule program.
- (e) **Personnel:** The Contractor may be required to provide key personnel, resumes or skill category descriptions in the performance of orders issued under this contract. Ordering activities may require agency approval of additions or replacements to key personnel.
- (f) **Organizational Conflicts of Interest:** Where there may be an organizational conflict of interest as determined by the ordering agency, the Contractor's participation in such order may be restricted in accordance with FAR Part 9.5.
- (g) **Documentation/Standards:** The Contractor may be requested to provide products or services in accordance with rules, regulations, OMB orders, standards and documentation as specified by the agency's order.
- (h) **Data/Deliverable Requirements:** Any required data/deliverables at the ordering level will be as specified or negotiated in the agency's order.
- (i) **Government-Furnished Property:** As specified by the agency's order, the Government may provide property, equipment, materials or resources as necessary.
- (j) **Availability of Funds:** Many Government agencies' operating funds are appropriated for a specific fiscal year. Funds may not be presently available for any orders placed under the contract or any option year. The Government's obligation on orders placed under this contract is contingent upon the availability of appropriated funds from which payment for ordering purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are available to the ordering Contracting Officer.

### **16. CONTRACT ADMINISTRATION FOR ORDERING ACTIVITIES:**

Any ordering activity, with respect to any one or more delivery orders placed by it under this contract, may exercise the same rights of termination as might the GSA Contracting Officer under provisions of FAR 52.212-4, paragraphs (l) Termination for the ordering activity's convenience, and (m) Termination for Cause (See 52.212-4)

### **17. GSA ADVANTAGE!**

GSA Advantage! is an on-line, interactive electronic information and ordering system that provides on-line access to vendors' schedule prices with ordering information. GSA Advantage! will allow the user to perform various searches across all contracts including, but not limited to:

- (1) Manufacturer;
- (2) Manufacturer's Part Number; and
- (3) Product categories.

Agencies can browse GSA Advantage! by accessing the Internet World Wide Web utilizing a browser (ex.: NetScape). The Internet address is <http://www.gsaadvantage.gov>



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### **18. PURCHASE OF OPEN MARKET ITEMS**

NOTE: Open Market Items are also known as incidental items, noncontract items, non-Schedule items, and items not on a Federal Supply Schedule contract. ODCs (Other Direct Costs) are not part of this contract and should be treated as open market purchases. Ordering Activities procuring open market items must follow FAR 8.402(f).

For administrative convenience, an ordering activity contracting officer may add items not on the Federal Supply Multiple Award Schedule (MAS) -- referred to as open market items -- to a Federal Supply Schedule blanket purchase agreement (BPA) or an individual task or delivery order, **only if-**

- (1) All applicable acquisition regulations pertaining to the purchase of the items not on the Federal Supply Schedule have been followed (e.g., publicizing (Part 5), competition requirements (Part 6), acquisition of commercial items (Part 12), contracting methods (Parts 13, 14, and 15), and small business programs (Part 19));
- (2) The ordering activity contracting officer has determined the price for the items not on the Federal Supply Schedule is fair and reasonable;
- (3) The items are clearly labeled on the order as items not on the Federal Supply Schedule; and
- (4) All clauses applicable to items not on the Federal Supply Schedule are included in the order.

### **19. CONTRACTOR COMMITMENTS, WARRANTIES AND REPRESENTATIONS**

a. For the purpose of this contract, commitments, warranties and representations include, in addition to those agreed to for the entire schedule contract:

- (1) Time of delivery/installation quotations for individual orders;
- (2) Technical representations and/or warranties of products concerning performance, total system performance and/or configuration, physical, design and/or functional characteristics and capabilities of a product/equipment/ service/software package submitted in response to requirements which result in orders under this schedule contract.
- (3) Any representations and/or warranties concerning the products made in any literature, description, drawings and/or specifications furnished by the Contractor.

b. The above is not intended to encompass items not currently covered by the GSA Schedule contract.

### **20. OVERSEAS ACTIVITIES**

The terms and conditions of this contract shall apply to all orders for installation, maintenance and repair of equipment in areas listed in the pricelist outside the 48 contiguous states and the District of Columbia, except as indicated below:

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Upon request of the Contractor, the ordering activity may provide the Contractor with logistics support, as available, in accordance with all applicable ordering activity regulations. Such ordering activity support will be provided on a reimbursable basis, and will only be provided to the Contractor's technical personnel whose services are exclusively required for the fulfillment of the terms and conditions of this contract.

### **21. BLANKET PURCHASE AGREEMENTS (BPAs)**

The use of BPAs under any schedule contract to fill repetitive needs for supplies or services is allowable. BPAs may be established with one or more schedule contractors. The number of BPAs to be established is within the discretion



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of the ordering activity establishing the BPA and should be based on a strategy that is expected to maximize the effectiveness of the BPA(s). Ordering activities shall follow FAR 8.405-3 when creating and implementing BPA(s).

### **22. CONTRACTOR TEAM ARRANGEMENTS**

Contractors participating in contractor team arrangements must abide by all terms and conditions of their respective contracts. This includes compliance with Clauses 552.238-74, Industrial Funding Fee and Sales Reporting, i.e., each contractor (team member) must report sales and remit the IFF for all products and services provided under its individual contract.

### **23. INSTALLATION, DEINSTALLATION, REINSTALLATION**

The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall received less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act applies.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 132-8 or 132-9.

### **24. SECTION 508 COMPLIANCE.**

If applicable, Section 508 compliance information on the supplies and services in this contract are available in Electronic and Information Technology (EIT) at the following:

[www.rtd.com](http://www.rtd.com)

The EIT standard can be found at: [www.Section508.gov/](http://www.Section508.gov/).

### **25. PRIME CONTRACTOR ORDERING FROM FEDERAL SUPPLY SCHEDULES.**

Prime Contractors (on cost reimbursement contracts) placing orders under Federal Supply Schedules, on behalf of an ordering activity, shall follow the terms of the applicable schedule and authorization and include with each order –

(a) A copy of the authorization from the ordering activity with whom the contractor has the prime contract (unless a copy was previously furnished to the Federal Supply Schedule contractor); and

(b) The following statement:

This order is placed under written authorization from \_\_\_\_\_ dated \_\_\_\_\_. In the event of any inconsistency between the terms and conditions of this order and those of your Federal Supply Schedule contract, the latter will govern.

### **26. INSURANCE—WORK ON A GOVERNMENT INSTALLATION (JAN 1997)(FAR 52.228-5)**

(a) The Contractor shall, at its own expense, provide and maintain during the entire performance of this contract, at least the kinds and minimum amounts of insurance required in the Schedule or elsewhere in the contract.



## **RTD Embedded Technologies, Inc**

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(b) Before commencing work under this contract, the Contractor shall notify the Contracting Officer in writing that the required insurance has been obtained. The policies evidencing required insurance shall contain an endorsement to the effect that any cancellation or any material change adversely affecting the Government's interest shall not be effective—

- (1) For such period as the laws of the State in which this contract is to be performed prescribe; or
- (2) Until 30 days after the insurer or the Contractor gives written notice to the Contracting Officer, whichever period is longer.

(c) The Contractor shall insert the substance of this clause, including this paragraph (c), in subcontracts under this contract that require work on a Government installation and shall require subcontractors to provide and maintain the insurance required in the Schedule or elsewhere in the contract. The Contractor shall maintain a copy of all subcontractors' proofs of required insurance, and shall make copies available to the Contracting Officer upon request.

### **27. SOFTWARE INTEROPERABILITY.**

Offerors are encouraged to identify within their software items any component interfaces that support open standard interoperability. An item's interface may be identified as interoperable on the basis of participation in a Government agency-sponsored program or in an independent organization program. Interfaces may be identified by reference to an interface registered in the component registry located at <http://www.core.gov>.

### **28. ADVANCE PAYMENTS**

A payment under this contract to provide a service or deliver an article for the United States Government may not be more than the value of the service already provided or the article already delivered. Advance or pre-payment is not authorized or allowed under this contract. (31 U.S.C. 3324)



**TERMS AND CONDITIONS APPLICABLE TO PURCHASE OF  
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY NEW  
EQUIPMENT(SPECIAL ITEM NUMBER 132-8)**

**1. MATERIAL AND WORKMANSHIP**

All equipment furnished hereunder must satisfactorily perform the function for which it is intended.

**2. ORDER**

Written orders, EDI orders (GSA Advantage! and FACNET), credit card orders, and orders placed under blanket purchase agreements (BPA) agreements shall be the basis for purchase in accordance with the provisions of this contract. If time of delivery extends beyond the expiration date of the contract, the Contractor will be obligated to meet the delivery and installation date specified in the original order.

For credit card orders and BPAs, telephone orders are permissible.

**3. TRANSPORTATION OF EQUIPMENT**

FOB Destination. Delivery of all RTD products is subject to delivery charges and will be charged and added as a separate line item on the invoice to the Customer upon shipment from RTD to the Customer. Delivery charges will be determined between the Customer and RTD prior to the issuance and acceptance of a Purchase Order.

**4. INSTALLATION AND TECHNICAL SERVICES**

a. **INSTALLATION.** When the equipment provided under this contract is not normally self-installable, the Contractor's technical personnel shall be available to the ordering activity, at the ordering activity's location, to install the equipment and to train ordering activity personnel in the use and maintenance of the equipment. The charges, if any, for such services are listed below, or in the price schedule:

All products listed are self-installable

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b. **INSTALLATION, DEINSTALLATION, REINSTALLATION.** The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of \$2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall received less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds \$2,000, then the requirements of the Davis-Bacon Act applies.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotations is made for applicable construction classified installation, deinstallation, and reinstallation services under SIN 132-8 or SIN 132-9.



## **RTD Embedded Technologies, Inc**

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c. OPERATING AND MAINTENANCE MANUALS. The Contractor shall furnish the ordering activity with one (1) copy of all operating and maintenance manuals which are normally provided with the equipment being purchased.

### **5. INSPECTION/ACCEPTANCE**

The Contractor shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any equipment that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming equipment at no increase in contract price. The ordering activity must exercise its postacceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

### **6. WARRANTY**

a. Unless specified otherwise in this contract, the Contractor's standard commercial warranty as stated in the contract's commercial pricelist will apply to this contract.

#### **RTD Limited Warranty**

RTD Embedded Technologies, Inc. warrants the hardware and software products it manufactures and produces to be free from defects in materials and workmanship for one year following the date of shipment from RTD Embedded Technologies, Inc. This warranty is limited to the original purchaser of product and is not transferable. During the one year warranty period, RTD Embedded Technologies will repair or replace, at its option, any defective products or parts at no additional charge, provided that the product is returned, shipping prepaid, to RTD Embedded Technologies. All replaced parts and products become the property of RTD Embedded Technologies. Before returning any product for repair, customers are required to contact the factory for a Return Material Authorization number.

This limited warranty does not extend to any products which have been damaged as a result of accident, misuse, abuse (such as: use of incorrect input voltages, improper or insufficient ventilation, failure to follow the operating instructions that are provided by RTD Embedded Technologies, "acts of god" or other contingencies beyond the control of RTD Embedded Technologies), or as a result of service or modification by anyone other than RTD Embedded Technologies. Except as expressly set forth above, no other warranties are expressed or implied, including, but not limited to, any implied warranties of merchantability and fitness for a particular purpose, and RTD Embedded Technologies expressly disclaims all warranties not stated herein. All implied warranties, including implied warranties for merchantability and fitness for a particular purpose, are limited to the duration of this warranty. In the event the product is not free from defects as warranted above, the purchaser's sole remedy shall be repair or replacement as provided above. Under no circumstances will RTD Embedded Technologies be liable to the purchaser or any user for any damages, including any incidental or consequential damages, expenses, lost profits, lost savings, or other damages arising out of the use or inability to use the product.

Some states do not allow the exclusion or limitation of incidental or consequential damages for consumer products, and some states do not allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

b. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.



## **RTD Embedded Technologies, Inc**

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c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

d. If inspection and repair of defective equipment under this warranty will be performed at the Contractor's plant, the address is as follows:

All inspection and repair of defective equipment covered under RTD's Commercial Warrantee must be performed at RTD's facilities located at:

103 Innovation Blvd.  
State College, PA 16803

### **7. PURCHASE PRICE FOR ORDERED EQUIPMENT**

The purchase price that the ordering activity will be charged will be the ordering activity purchase price in effect at the time of order placement, or the ordering activity purchase price in effect on the installation date (or delivery date when installation is not applicable), whichever is less.

### **8. RESPONSIBILITIES OF THE CONTRACTOR**

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City or otherwise) covering work of this character, and shall include all costs, if any, of such compliance in the prices quoted in this offer.

### **9. TRADE-IN OF INFORMATION TECHNOLOGY EQUIPMENT**

When an ordering activity determines that Information Technology equipment will be replaced, the ordering activity shall follow the contracting policies and procedures in the Federal Acquisition Regulation (FAR), the policies and procedures regarding disposition of information technology excess personal property in the Federal Property Management Regulations (FPMR) (41 CFR 101-43.6), and the policies and procedures on exchange/sale contained in the FPMR (41 CFR part 101-46).



**TERMS AND CONDITIONS APPLICABLE TO MAINTENANCE, REPAIR SERVICE AND REPAIR PARTS/SPARE PARTS FOR GOVERNMENT-OWNED GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT, RADIO/TELEPHONE EQUIPMENT, (AFTER EXPIRATION OF GUARANTEE/WARRANTY PROVISIONS AND/OR WHEN REQUIRED SERVICE IS NOT COVERED BY GUARANTEE/WARRANTY PROVISIONS) AND FOR LEASED EQUIPMENT (SPECIAL ITEM NUMBER 132-12)**

**1. SERVICE AREAS**

- a. The maintenance and repair service rates listed herein are applicable to any ordering activity location within a (Not Applicable – out-of-warranty repair service at contractor location only) mile radius of the Contractor’s service points. If any additional charge is to apply because of the greater distance from the Contractor’s service locations, the mileage rate or other distance factor shall be negotiated at the Task Order level.
- b. When repair services cannot be performed at the ordering activity installation site, the repair services will be performed at the Contractor’s plant(s) listed below:

All repair services must be performed at RTD’s facilities located at: 103 Innovation Blvd., State College, PA 16803

**2. MAINTENANCE ORDER**

- a. Agencies may use written orders, EDI orders, credit card orders, or BPAs, for ordering maintenance under this contract. The Contractor shall confirm orders within fifteen (15) calendar days from the date of receipt, except that confirmation of orders shall be considered automatic for renewals for maintenance (Special Item Number 132-12). Automatic acceptance of order renewals for maintenance service shall apply for machines which may have been discontinued from use for temporary periods of time not longer than 120 calendar days. If the order is not confirmed by the Contractor as prescribed by this paragraph, the order shall be considered to be confirmed by the Contractor.
- b. The Contractor shall honor orders for maintenance for the duration of the contract period or a lesser period of time, for the equipment shown in the pricelist. Maintenance service shall commence on a mutually agreed upon date, which will be written into the maintenance order. Maintenance orders shall not be made effective before the expiration of any applicable maintenance and parts guarantee/warranty period associated with the purchase of equipment. Orders for maintenance service shall not extend beyond the end of the contract period.
- c. Maintenance may be discontinued by the ordering activity on thirty (30) calendar days written notice, or shorter notice when agreed to by the Contractor; such notice to become effective thirty (30) calendar days from the date on the notification. However, the ordering activity may extend the original discontinuance date upon written notice to the Contractor, provided that such notice is furnished at least ten (10) calendar days prior to the original discontinuance date.
- d. Annual Funding. When annually appropriated funds are cited on a maintenance order, the period of maintenance shall automatically expire on September 30th of the contract period, or at the end of the contract period, whichever occurs first. Renewal of a maintenance order citing the new appropriation shall be required, if maintenance is to continue during any remainder of the contract period.
- e. Cross-year Funding Within Contract Period. Where an ordering activity’s specific appropriation authority provides for funds in excess of a 12 month, fiscal year period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.



## **RTD Embedded Technologies, Inc**

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f. Ordering activities should notify the Contractor in writing thirty (30) calendar days prior to the expiration of maintenance service, if maintenance is to be terminated at that time. Orders for continued maintenance will be required if maintenance is to be continued during the subsequent period.

### **3. REPAIR SERVICE AND REPAIR PARTS/SPARE PARTS ORDERS**

- a. Agencies may use written orders, EDI orders, credit card orders, blanket purchase agreements (BPAs), or small order procedures for ordering repair service and/or repair parts/spare parts under this contract. Orders for repair service shall not extend beyond the end of the contract period.
- b. When repair service is ordered, only one chargeable repairman shall be dispatched to perform repair service, unless the ordering activity agrees, in advance, that additional repair personnel are required to effect repairs.

### **4. LOSS OR DAMAGE**

When the Contractor removes equipment to his establishment for repairs, the Contractor shall be responsible for any damage or loss, from the time the equipment is removed from the ordering activity installation, until the equipment is returned to such installation.

### **5. SCOPE**

- a. The Contractor shall provide maintenance for all equipment listed herein, as requested by the ordering activity during the contract term. Repair service and repair parts/spare parts shall apply exclusively to the equipment types/models within the scope of this Information Technology Schedule.
- b. Equipment placed under maintenance service shall be in good operating condition.
  - (1) In order to determine that the equipment is in good operating condition, the equipment shall be subject to inspection by the Contractor, without charge to the ordering activity.
  - (2) Costs of any repairs performed for the purpose of placing the equipment in good operating condition shall be borne by the Contractor, if the equipment was under the Contractor's guarantee/warranty or maintenance responsibility prior to the effective date of the maintenance order.
  - (3) If the equipment was not under the Contractor's responsibility, the costs necessary to place the equipment in proper operating condition are to be borne by the ordering activity, in accordance with the provisions of Special Item Number 132-12 (or outside the scope of this contract).

### **6. RESPONSIBILITIES OF THE ORDERING ACTIVITY**

- a. Ordering activity personnel shall not perform maintenance or attempt repairs to equipment while such equipment is under the purview of a maintenance order, unless agreed to by the Contractor.
- b. Subject to security regulations, the ordering activity shall permit access to the equipment which is to be maintained or repaired.
- c. If the Ordering Activity desires a factory authorized/certified service personnel then this should be clearly stated in the task or delivery order.

### **7. RESPONSIBILITIES OF THE CONTRACTOR**

- a. For equipment not covered by a maintenance contract or warranty, the Contractor's repair service personnel shall complete repairs as soon as possible after notification by the ordering activity that service is required. Within the service areas, this repair service should normally be done within 4 hours after notification.



## **RTD Embedded Technologies, Inc**

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b. If the Ordering Activity task or delivery order specifies a factory authorized/certified service personnel then the Contractor is obligated to provide such a factory authorized/certified service personnel for the equipment to be repaired or serviced, unless otherwise agreed to in advance between the Agency and the Contractor.

### **8. MAINTENANCE RATE PROVISIONS**

a. The Contractor shall bear all costs of maintenance, including labor, parts, and such other expenses as are necessary to keep the equipment in good operating condition, provided that the required repairs are not occasioned by fault or negligence of the ordering activity.

#### **b. REGULAR HOURS**

The basic monthly rate for each make and model of equipment shall entitle the ordering activity to maintenance service during a mutually agreed upon nine (9) hour principal period of maintenance, Monday through Friday, exclusive of holidays observed at the ordering activity location.

#### **c. AFTER HOURS**

Should the ordering activity require that maintenance be performed outside of Regular Hours, charges for such maintenance, if any, will be specified in the pricelist. Periods of less than one hour will be prorated to the nearest quarter hour.

#### **d. TRAVEL AND TRANSPORTATION**

If any charge is to apply, over and above the regular maintenance rates, because of the distance between the ordering activity location and the Contractor's service area, the charge will be negotiated at the Task Order level.

#### **e. QUANTITY DISCOUNTS**

Quantity discounts from listed maintenance service rates for multiple equipment owned and/or leased by a ordering activity are indicated below: Not Applicable

### **9. REPAIR SERVICE RATE PROVISIONS**

a. **CHARGES.** Charges for repair service will include the labor charge, computed at the rates set forth below, for the time during which repairmen are actually engaged in work, and, when applicable, the charge for travel or transportation.

b. **MULTIPLE MACHINES.** When repairs are ordered by a ordering activity on two or more machines located in one or more buildings within walking distance of each other, the charges will be computed from the time the repairman commences work on the first machine, until the work is completed on the last machine. The time required to go from one machine to another, or from one building to another, will be considered actual work performance, and chargeable to the ordering activity, provided the time consumed in going between machines (or buildings) is reasonable.

#### **c. TRAVEL OR TRANSPORTATION**

##### **(1) AT THE CONTRACTOR'S SHOP**

(a) When equipment is returned to the Contractor's shop for adjustments or repairs which are not covered by the guarantee/warranty provision, the cost of transportation, packing, etc., from the ordering activity location to the Contractor's plant, and return to the ordering activity location, shall be borne by the ordering activity.

(b) The ordering activity should not return defective equipment to the Contractor for adjustments and repairs or replacement without his prior consultation and instruction.



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(2) AT THE ORDERING ACTIVITY LOCATION (Within Established Service Areas)

When equipment is repaired at the ordering activity location, and repair service rates are established for service areas or zones, the listed rates are applicable to any ordering activity location within such service areas or zones. No extra charge, time, or expense will be allowed for travel or transportation of repairmen or machines to or from the ordering activity office; such overhead is included in the repair service rates listed.

(3) AT THE ORDERING ACTIVITY LOCATION (Outside Established Service Areas)

(a) If repairs are to be made at the ordering activity location, and the location is outside the service area as shown in paragraph 1.a, the repair service and mileage rates negotiated per subparagraphs 1.a and 8.d will apply.

(b) When the overall travel charge computed at the above mileage rate is unreasonable (considering the time required for travel, actual and necessary transportation costs, and the allowable ordering activity per diem rate for each night the repairman is required to remain overnight at the ordering activity location), the ordering activity shall have the option of reimbursing the Contractor for actual costs, provided that the actual costs are reasonable and allowable. The Contractor shall furnish the ordering activity with a report of travel performed and related expenses incurred. The report shall include departure and arrival dates, times, and the applicable mode of travel.

d. LABOR RATES

(1) REGULAR HOURS

The Regular Hours repair service rates listed herein shall entitle the ordering activity to repair service during the period 8:00 a.m. to 5:00 p.m., Monday through Friday, exclusive of holidays observed at the ordering activity location. There shall be no additional charge for repair service which was requested during Regular Hours, but performed outside the Regular Hours defined above, at the convenience of the Contractor.

(2) AFTER HOURS

When the ordering activity requires that repair service be performed outside the Regular Hours defined above, except Sundays and Holidays observed at the ordering activity location, the After Hours repair service rates listed herein shall apply. The Regular Hours rates defined above shall apply when repair service is requested during Regular Hours, but performed After Hours at the convenience of the Contractor.

(3) SUNDAYS AND HOLIDAYS

When the ordering activity requires that repair service be performed on Sundays and Holidays observed at the ordering activity location, the Sundays and Holidays repair service rates listed herein shall apply. When repair service is requested to be performed during Regular Hours and/or After Hours, but is performed at the convenience of the Contractor on Sundays or Holidays observed at the ordering activity location, the Regular Hours and/or After Hours repair service rates, as applicable, shall apply.



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REPAIR SERVICE RATES

LOCATION	MINIMUM CHARGE*	REGULAR HOURS PER HOUR**	AFTER HOURS PER HOUR**	SUNDAYS AND HOLIDAYS PER HOUR
CONTRACTOR'S SHOP	* See Note	___\$80___	___\$120___	___\$160___
ORDERING ACTIVITY LOCATION (WITHIN ESTABLISHED SERVICE AREAS)	___N/A___	___ N/A ___	___ N/A ___	___ N/A ___
ORDERING ACTIVITY LOCATION (OUTSIDE ESTABLISHED SERVICE AREAS)	___N/A___	___ N/A ___	___ N/A ___	___ N/A ___

\*MINIMUM CHARGES INCLUDE (\* See Note) FULL HOURS ON THE JOB.

\*\*FRACTIONAL HOURS, AT THE END OF THE JOB, WILL BE PRORATED TO THE NEAREST QUARTER HOUR.

\* All repair services must be performed at RTD’s facilities located at 103 Innovation Blvd., Sate College, PA 16803. Before returning any product for repair, the Ordering Activity is required to contact the RTD for a Return Material Authorization number. Out of Warranty repairs require a \$160 per board or \$320 per system Evaluation Fee. Any required repairs will be done at the Repair Service Rate plus any required parts costs. In the event that RTD determines that a product is not repairable and the Ordering Activity requires a replacement product, the price of the replacement product will be the price as shown of the Schedule Product Price List minus the Evaluation Fee.

**10. REPAIR PARTS/SPARE PARTS RATE PROVISIONS**

All parts, furnished as spares or as repair parts in connection with the repair of equipment, unless otherwise indicated in this pricelist, shall be new, standard parts manufactured by the equipment manufacturer. All parts shall be furnished at prices indicated in the Contractor's commercial pricelist dated 4 January 2011, at a discount of 0% from such listed prices.

**11. GUARANTEE/WARRANTY—REPAIR SERVICE AND REPAIR PARTS/SPARE PARTS**

a. REPAIR SERVICE

All repair work will be guaranteed/warranted for a period of: Not Applicable .

b. REPAIR PARTS/SPARE PARTS

All parts, furnished either as spares or repairs parts will be guaranteed/warranted for a period: Not Applicable

**12. INVOICES AND PAYMENTS**

a. Maintenance Service

(1) Invoices for maintenance service shall be submitted by the Contractor on a quarterly or monthly basis, after the completion of such period. Maintenance charges must be paid in arrears (31 U.S.C. 3324). PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.



## **RTD Embedded Technologies, Inc**

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(2) Payment for maintenance service of less than one month's duration shall be prorated at 1/30th of the monthly rate for each calendar day.

b. Repair Service and Repair Parts/Spare Parts

Invoices for repair service and parts shall be submitted by the Contractor as soon as possible after completion of work. Payment under blanket purchase agreements will be made quarterly or monthly, except where cash payment procedures are used. Invoices shall be submitted separately to each ordering activity office ordering services under the contract. The cost of repair parts shall be shown as a separate item on the invoice, and shall be priced in accordance with paragraph #10, above. PROMPT PAYMENT DISCOUNT, IF APPLICABLE, SHALL BE SHOWN ON THE INVOICE.



**USA COMMITMENT TO PROMOTE  
SMALL BUSINESS PARTICIPATION  
PROCUREMENT PROGRAMS**

PREAMBLE

RTD Embedded Technologies, Inc. provides commercial products and services to ordering activities. We are committed to promoting participation of small, small disadvantaged and women-owned small businesses in our contracts. We pledge to provide opportunities to the small business community through reselling opportunities, mentor-protégé programs, joint ventures, teaming arrangements, and subcontracting.

COMMITMENT

To actively seek and partner with small businesses.

To identify, qualify, mentor and develop small, small disadvantaged and women-owned small businesses by purchasing from these businesses whenever practical.

To develop and promote company policy initiatives that demonstrate our support for awarding contracts and subcontracts to small business concerns.

To undertake significant efforts to determine the potential of small, small disadvantaged and women-owned small business to supply products and services to our company.

To insure procurement opportunities are designed to permit the maximum possible participation of small, small disadvantaged, and women-owned small businesses.

To attend business opportunity workshops, minority business enterprise seminars, trade fairs, procurement conferences, etc., to identify and increase small businesses with whom to partner.

To publicize in our marketing publications our interest in meeting small businesses that may be interested in subcontracting opportunities.

We signify our commitment to work in partnership with small, small disadvantaged and women-owned small businesses to promote and increase their participation in ordering activity contracts. To accelerate potential opportunities please contact Robi Haris, 814-234-8087, [rhjr@rtd.com](mailto:rhjr@rtd.com), Fax:814-234-5218.



BEST VALUE  
BLANKET PURCHASE AGREEMENT  
FEDERAL SUPPLY SCHEDULE

(Insert Customer Name)

In the spirit of the Federal Acquisition Streamlining Act (ordering activity) and (Contractor) enter into a cooperative agreement to further reduce the administrative costs of acquiring commercial items from the General Services Administration (GSA) Federal Supply Schedule Contract(s) \_\_\_\_\_.

Federal Supply Schedule contract BPAs eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of offers. Teaming Arrangements are permitted with Federal Supply Schedule Contractors in accordance with Federal Acquisition Regulation (FAR) 9.6.

This BPA will further decrease costs, reduce paperwork, and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the ordering activity that works better and costs less.

Signatures

\_\_\_\_\_  
Ordering Activity

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Date



BPA NUMBER \_\_\_\_\_

**(CUSTOMER NAME)  
BLANKET PURCHASE AGREEMENT**

Pursuant to GSA Federal Supply Schedule Contract Number(s) \_\_\_\_\_, Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (ordering activity):

(1) The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

MODEL NUMBER/PART NUMBER	*SPECIAL BPA DISCOUNT/PRICE
_____	_____
_____	_____
_____	_____

(2) Delivery:

DESTINATION	DELIVERY SCHEDULES / DATES
_____	_____
_____	_____
_____	_____

(3) The ordering activity estimates, but does not guarantee, that the volume of purchases through this agreement will be \_\_\_\_\_.

(4) This BPA does not obligate any funds.

(5) This BPA expires on \_\_\_\_\_ or at the end of the contract period, whichever is earlier.

(6) The following office(s) is hereby authorized to place orders under this BPA:

OFFICE	POINT OF CONTACT
_____	_____
_____	_____
_____	_____

(7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.

(8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

- (a) Name of Contractor;
- (b) Contract Number;
- (c) BPA Number;



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- (d) Model Number or National Stock Number (NSN);
- (e) Purchase Order Number;
- (f) Date of Purchase;
- (g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); and
- (h) Date of Shipment.

(9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the purchase order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

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**BASIC GUIDELINES FOR USING  
“CONTRACTOR TEAM ARRANGEMENTS”**

Federal Supply Schedule Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to a ordering activity requirements.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions or the Federal Supply Schedule Contract.

Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors.

Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the customers needs, or -
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer’s requirement.
- Customers make a best value selection.



**RTD Embedded Technologies, Inc.  
Information Technology Schedule Products Pricelist**

**Notes:** All products listed are self-installable

<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
1	AC/DC PS	AC to DC Power Converter for use with RTD DC/DC Peripheral Modules; Input: Standard three prong power connector 110-240 VAC 1.5A @ 50-60 Hz; Output: 2 pin quick release terminal block connector (standard on RTD's power supplies) 24 VDC 2.5A	146
2	AIM6020HR	PlatformBus Analog I/O dataModule®. Analog interface Module for DSP PlatformBus Interface; -40° to +85°C Operation; Two Independent 1.25 MHz 12 bit A/D converters; Two Independent 200 KHz 12 bit D/A converters; Non-volatile digital pot-controlled Amplifier; Programmable Switched Capacitor anti-aliasing Filter; Non-volatile digitally controlled offset; Stackable 80-pin PlatformBus (Buffered ASynchronous Memory Interface of the DSP); Multi-channel Buffered Serial Port (McBSP) (max. 100Mbit/s); SyncBus - Synchronous sampling or triggering with the dspModule™; Gain Settings from -6 dB to +6 dB . Offsets	595
3	APWR104HR-30W	PC/104 30W Filtered Avionics Embedded Power Supply Module; -40° to +85°C Operation; Outputs: 30 Watts 5 VDC; Input voltage: 16 - 50 VDC Reverse polarity and transient protection; Uses Mil modules that meet MIL-STD-704A, B, C and D surge limits, MIL-STD-461C CE03 and meets MIL-STD-461D CE102 and DEF STAN 59-41 and 61-5 EMC requirements; Mil modules protect against voltage spikes specified in MIL_STD-461C CS06 and conducted susceptibility specified in MIL-STD-461C, CS01 and CS02; Mil modules reduced reflected noise of the DC-DC converters to meet MIL-STD-461C CE03 and MIL-STD-461D CE102 limits	1895
4	APWR104HR-50W	PC/104 50W Filtered Avionics Embedded Power Supply Module; -40° to +85°C Operation; Outputs: Main 30 Watts 5 VDC, Aux 20W +12 VDC and 20W -12 VDC; Input voltage: 16 - 50 VDC, Reverse polarity and transient protection; Isolation voltage 500V; Uses Mil modules that meet MIL-STD-704A, B, C and D surge limits MIL-STD-461C CE03 and meets MIL-STD-461D CE102 and DEF STAN 59-41 and 61-5 EMC requirements; Mil modules protect against voltage spikes specified in MIL_STD-461C CS06 and conducted susceptibility specified in MIL-STD-461C, CS01 and CS02; Mil modules reduce reflected noise of the DC-DC converters to meet MIL-STD-461C CE03 and MIL-STD-461D CE102 limits	2495
5	APWR106HR-50W	PC/104 50W Filtered Avionics Embedded Power Supply Module; -40° to +85°C Operation; Outputs: Main 30 Watts 5 VDC, Aux 20W +12 VDC and 20W -12 VDC; Input: 16 - 50 VDC, Reverse polarity and transient protection; Isolation voltage 500V; Uses military modules that suppress high input transients of 80V for 1 w per MIL-STD-704A, and meets MIL-STD-461C and MIL-STD-461D EMC requirements; Mil modules Protect against conducted susceptibility specified in MIL-STD-461C, CS01 and CS02	2495



**RTD Embedded Technologies, Inc**

Line Item #	RTD Part Number	Short Description	Price
6	ATX104-Express	PCI/104-Express 88 Watt Embedded Power Supply Module; -40° to +85°C Operation; All supplies are Synchronized to reduce noise and system stress; Input 8-32 Vdc Unregulated DC (36V absolute maximum), Reverse Polarity Protection to 40 Volts, Input Voltage Transient Protection; Outputs +5 Vdc Standby at 1.0 A, +5 Vdc at 10.0 A, +3.3 Vdc at 10.0 A, +12 Vdc at 2.0 A, -12 Vdc at 500 mA; Status LED's	695
7	ATX104plusHR	PC/104-Plus 88 Watt Embedded Power Supply Module; -40° to +85°C Operation; All supplies are Synchronized to reduce noise and system stress; Input 8-32 Vdc Unregulated DC (36V absolute maximum), Reverse Polarity Protection to 40 Volts, Input Voltage Transient Protection; Outputs +5 Vdc Standby at 1.0 A, +5 Vdc at 10.0 A, +3.3 Vdc at 10.0 A, +12 Vdc at 2.0 A, -12 Vdc at 500 mA, -5 Vdc at 100 mA on PC/104 bus; Status LED's	695
8	BRG2110AHR	PCI/104-Express PCI Express to PCI Bridge; -40° to +85°C Operation; Uses a PCI Express (PCIe) x1 link to interface to CPU module; Provides a full PCI Interface with power (+5V, +3.3V, +12V) to PCI-104 and PC104-Plus Peripheral Cards; PCIe to PCI Bridge for Above the CPU	175
9	BRG2110BHR	PCI/104-Express PCI Express to PCI Bridge; -40° to +85°C Operation; Uses a PCI Express (PCIe) x1 link to interface to CPU module; Provides a full PCI Interface with power (+5V, +3.3V, +12V) to PCI-104 and PC104-Plus Peripheral Cards; PCIe to PCI Bridge for Below the CPU	175
10	CAN SPIDER	CAN BUS Hub; -40° to +85°C Operation; 4 Fiberoptic CAN ports; 1 Isolated twisted pair CAN port, ISO11898 compliant; 1 Mb/s data rate up to 40 meters; Supports all CAN protocol features; Cascadable with isolated twisted pair wire interface; Onboard 8-40V DC input range isolated power supply; Onboard bus termination resistors and CAN bus filter for low EMI; Power out: +5V and +5V isolated; RTD ECAN527HR-2 CAN bus board compatible interfaces; PC/104 compliant form factor. No PC/104 Bus	345
11	CM17109ER-1	PC/104-Plus CardBus Controller; 0° to +70°C Operation; Compliant with the PC Card Standard (rev 7.1); Supports 16-bit PCMCIA and 32-bit CardBus PC Cards; Supports Types I, II & III PC Cards; Supports Popular PC Cards such as: ATA Flash, 802.11 Wireless LAN, FireWire™; Hot Swappable; Removable card ejectors; Status LEDs	395
12	CM17109ER-2	PC/104-Plus CardBus Controller; 0° to +70°C Operation; Compliant with the PC Card Standard (rev 7.1); Supports any combination of 16-bit PCMCIA and 32-bit CardBus PC Cards; Supports Types I, II & III PC Cards in the top slot and a Type I or Type II PC Card in the bottom slot; Supports Popular PC Cards such as: ATA Flash, 802.11 Wireless LAN, FireWire™; Hot Swappable; Removable card ejectors; Status LEDs	495
13	CM17208HR	PC/104-Plus 3 Independent Port FireWire™ Module; -40° to +85°C Operation; Universal 1394b bilingual connectors support connections to 1394a and 1394b devices; Support for 100/200/400/800 Mb/s on each channel; Re-settable 1A fuse on each input channel; FireWire™, iLINK™, and SB1394™ implementation of IEEE STD-1394b	395
14	CM17215HR	PC/104-Plus Dual Fiber Fast Ethernet Interface Peripheral Module; -40° to +85°C Operation; 100 Mbps MT-RJ Fiber on each channel; Full Duplex support; Integrated 3KByte Transmit and 3Kbyte Receive FIFOs; 1300nm Multi-Mode Fiber Transceiver; Bus Mastering; Software configuration	595



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Line Item #	RTD Part Number	Short Description	Price
15	CM17320HR	PC/104-Plus Octal Serial Port Peripheral Module; -40° to +85°C Operation; Eight PCI serial UART channels, 16C550 compatible 5G register set, 64 byte transmit and receive FIFOs; 32-bit PCI target; Programmable data rate with prescaler; 14.7456 MHz crystal, Maximum Baud rates 921,600 baud RS-422/485, 230,400 baud RS-232; Optional User Oscillator for custom baud rates; Jumper selectable RS-232/422/485 modes; Jumper selectable termination for RS-422/485 modes	695
16	CM17407HR	PC/104-Plus USB 2.0 Five Port Network Peripheral Module; -40° to +85°C Operation; USB1 provides 2.0A @ +5V; USB2-5 provides 500mA @ +5V; Hi-Speed USB transfer speed modes: high-speed (480 Mbit/s), full-speed (12 Mbit/s) and low-speed (1.5 Mbit/s) on any channel; Full Duplex support; Bus Mastering	245
17	CM18109ER-1	PC/104-Plus CardBus Controller; 0° to +70°C Operation; Texas Instruments PCI1520 CardBus Controller; Compliant with the PC Card Standard (rev 7.1); Supports 16-bit PCMCIA and 32-bit CardBus PC Cards; Supports Types I, II & III PC Cards; Supports Popular PC Cards such as: ATA Flash, 802.11 Wireless LAN, FireWire™; Hot Swappable; Removable card ejectors; Status LEDs	395
18	CM18109ER-2	PC/104-Plus CardBus Controller; 0° to +70°C Operation; Texas Instruments PCI1520i CardBus Controller; Compliant with the PC Card Standard (rev 7.1); Supports any combination of 16-bit PCMCIA and 32-bit CardBus PC Cards; Supports Types I, II & III PC Cards in the top slot and a Type I or Type II PC Card in the bottom slot; Supports Popular PC Cards such as: ATA Flash, 802.11 Wireless LAN, FireWire™; Hot Swappable; Removable card ejectors; Status LEDs	495
19	CM18208HR	PCI-104 3 Independent Port FireWire™ Module; -40° to +85°C Operation; Universal 1394b bilingual connectors support connections to 1394a and 1394b devices; Support for 100/200/400/800 Mb/s on each channel; Re-settable 1A fuse on each input channel; FireWire™, iLINK™, and SB1394™ implementation of IEEE STD-1394b	395
20	CM18215HR	PCI-104 Dual Fiber Fast Ethernet Interface Peripheral Module; -40° to +85°C Operation; 100 Mbps MT-RJ Fiber on each channel; Full Duplex support; Integrated 3KByte Transmit and 3Kbyte Receive FIFOs; 1300nm Multi-Mode Fiber Transceiver; Bus Mastering; Software configuration	595
21	CM18320HR	PCI-104 Octal Serial Port Peripheral Module; -40° to +85°C Operation; Eight PCI serial UART channels, 16C550 compatible 5G register set, 64 byte transmit and receive FIFOs; 32-bit PCI target; Universal (3.3V or 5.0V) PCI signaling; Programmable data rate with prescaler; 14.7456 MHz crystal, Maximum Baud rates 921,600 baud RS-422/485, 230,400 baud RS-232; Optional User Oscillator for custom baud rates; Jumper selectable RS-232/422/485 modes; Jumper selectable termination for RS-422/485 modes	695
22	CM18407HR	PCI-104 USB 2.0 Five Port Network Peripheral Module; -40° to +85°C Operation; USB1 provides 2.0A @ +5V; USB2-5 provides 500mA @ +5V; Hi-Speed USB transfer speed modes: high-speed (480 Mbit/s), full-speed (12 Mbit/s) and low-speed (1.5 Mbit/s) on any channel; Full Duplex support; Bus Mastering	245
23	CM202ER	PC/104 NE2000 Ethernet Peripheral Module; 0° to +70°C Operation; NE2000 Ethernet Controller, LG Semicon 82C911 controller, Integrated high-speed RAM; Multiple Physical Layers, 10Base-T, 10Base-2, AUI support for 10Base-5 or Fiber; Jumperless Configuration, Configuration stored in EEPROM, Includes DOS configuration program, Supports ISA PnP	495



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
24	CM310HR	PC/104 Quad Serial Port Peripheral Module; -40° to +85°C Operation; Compatibility with the Industry Standard 16C550; 115.2K baud RS-232 operation; Up to 1.5M baud RS-422 operation; 16 byte transmit FIFO/16byte receive FIFO with error flags; Independent transmit and receive control; Standard modem interface; Jumper selectable to interrupt line, base address, RS232/RS422-485 mode per port; Jumper selectable enable/disable per port; Includes 42 different selectable I/O base addresses; Internal Common Registers of CM310HR added to configure and control the board operation	498
25	CM312ER	PC/104 NE2000 Ethernet with Quad Serial Port Module; 0° to +70°C Operation; Compatible with Industry Standard 16C550; Up to 115.2K baud RS-232 operation; Up to 1.5M baud RS-422 operation; 16 byte transmit FIFO/16byte receive FIFO with error flags; Independent transmit and receive control; Standard modem interface; RS232/RS422-485 mode per port;	598
26	CM316HR	PC/104 Dual Synchronous Serial Port Peripheral Module; -40° to +85°C Operation; Up to 1Mbps transmit/receive Synchronous operation, SDLC / HDLC, Byte Oriented; 230K baud RS-232 operation; 1M baud RS-422 operation; Independent transmit and receive control per channel; Standard modem interface; 4 Independent DMA Channels; jumper selectable; Jumper selectable Synchronous clock source independent per channel; Includes 64 different selectable I/O base addresses	595
27	CMA157886CX1000HR-256	PC/104- <i>Plus</i> Low Power Intel® Celeron® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.0 GHz Intel Celeron M; Nonvolatile storage of CMOS settings; 256 Mbytes BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable 14-bit Digital I/O with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Four USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; Advanced Thermal Management;; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant, Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1895
28	CMA157886CX1000HR-512	PC/104- <i>Plus</i> Low Power Intel® Celeron® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.0 GHz Intel Celeron M; Nonvolatile storage of CMOS settings; 512 Mbytes BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable 14-bit Digital I/O with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Four USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; Advanced Thermal Management;; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant, Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2295



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Line Item #	RTD Part Number	Short Description	Price
29	CMA157886PX1400HR-256	PC/104- <i>Plus</i> Low Power Intel® Pentium® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.4 GHz Intel Pentium M; Nonvolatile storage of CMOS settings; 256 Mbytes BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable 14-bit Digital I/O with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Four USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; Advanced power management features including Enhanced Intel SpeedStep Technology; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2395
30	CMA157886PX1400HR-512	PC/104- <i>Plus</i> Low Power Intel® Pentium® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.4 GHz Intel Pentium M; Nonvolatile storage of CMOS settings; 512 Mbytes BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable 14-bit Digital I/O with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Four USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; Advanced power management features including Enhanced Intel SpeedStep Technology; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2795
31	CMA22MCS1200HR-1024	PCI/104-Express cpuModule™ & Controller Intel®; Core™ 2 Series Celeron 1.20 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Series Celeron 1.20 GHz; 1GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Gigabit Ethernet; Analog VGA & LVDS Panel; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.20 GHz: -40 to +85°C standard operating temperature	2595
32	CMA22MCS1200HR-2048	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Series Celeron 1.20 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Series Celeron 1.20 GHz; 2GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Gigabit Ethernet; Analog VGA & LVDS Panel; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.20 GHz: -40 to +85°C standard operating temperature	2995



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
33	CMA22MVD1200HR-1024	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Duo 1.20 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Duo 1.20 GHz; 1GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Gigabit Ethernet; Analog VGA & LVDS Panel; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.20 GHz: -40 to +85°C standard operating temperature	2895
34	CMA22MVD1200HR-2048	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Duo 1.20 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Duo 1.20 GHz; 2GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Gigabit Ethernet; Analog VGA & LVDS Panel; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.20 GHz: -40 to +85°C standard operating temperature	3295
35	CMA22MVD1860HR-1024	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Duo 1.86 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Duo 1.86 GHz; 1GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Gigabit Ethernet; Analog VGA & LVDS Panel; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.86 GHz: -40 to +70°C standard operating temperature	2995
36	CMA22MVD1860HR-2048	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Duo 1.86 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Duo 1.86 GHz; 2GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Gigabit Ethernet; Analog VGA & LVDS Panel; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.86 GHz: -40 to +70°C standard operating temperature	3395
37	CMX32MCS1200HR-1024	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Series Celeron 1.20 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Series Celeron 1.20 GHz; 1GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Two Gigabit Ethernet; Analog VGA & LVDS Panel; High-Definition Audio; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.20 GHz: -40 to +85°C standard operating temperature	2495
38	CMX32MCS1200HR-2048	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Series Celeron 1.20 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Series Celeron 1.20 GHz; 2GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Two Gigabit Ethernet; Analog VGA & LVDS Panel; High-Definition Audio; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.20 GHz: -40 to +85°C standard operating temperature	2895



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
39	CMX32MVD1200HR-1024	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Duo 1.20 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Duo 1.20 GHz; 1GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Gigabit Ethernet; Analog VGA & LVDS Panel; High-Definition Audio; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.20 GHz: -40 to +85°C standard operating temperature	2795
40	CMX32MVD1200HR-2048	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Duo 1.20 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Duo 1.20 GHz; 2GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Two Gigabit Ethernet; Analog VGA & LVDS Panel; High-Definition Audio; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.20 GHz: -40 to +85°C standard operating temperature	3195
41	CMX32MVD1860HR-1024	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Duo 1.86 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Duo 1.86 GHz; 1GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Two Gigabit Ethernet; Analog VGA & LVDS Panel; High-Definition Audio; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.86 GHz: -40 to +70°C standard operating temperature	2895
42	CMX32MVD1860HR-2048	PCI/104-Express cpuModule™ & Controller Intel® Core™ 2 Duo 1.86 GHz; Complete PC-compatible Single Board Computer; Intel Core 2 Duo 1.86 GHz; 2GB Memory (Surface-Mounted); Eight x1 PCIe Links; One x16 PCIe Link (configurable as one x8 or one x4); Onboard SATA Flash Disk up to 8 GB; Two SATA Ports; Four Serial Ports (RS-232/422/485); Six USB 2.0 Ports; Two Gigabit Ethernet; Analog VGA & LVDS Panel; High-Definition Audio; Advanced Digital I/O (aDIO); Advanced Analog I/O (aAIO); Stackable PCIe and PCI busses; 1.86 GHz: -40 to +70°C standard operating temperature	3295
43	CME136686LX333HR-128	PC/104 Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 333 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 128MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; Two 10/100 Fast Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA and LVDS; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1195



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
44	CME136686LX333HR-256	PC/104 Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 333 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 256MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; Two 10/100 Fast Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA and LVDS; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1295
45	CME136686LX333HR-512	PC/104 Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 333 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 512MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; Two 10/100 Fast Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA and LVDS; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1695
46	CME136686LX500HR-128	PC/104 Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 500 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 128MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; Two 10/100 Fast Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA and LVDS; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1295
47	CME136686LX500HR-256	PC/104 Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 500 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 256MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; Two 10/100 Fast Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA and LVDS; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1395



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Line Item #	RTD Part Number	Short Description	Price
48	CME136686LX500HR-512	PC/104 Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 500 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 512MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; Two 10/100 Fast Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA and LVDS; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1795
49	CME137686LX333HR-128	PC/104-Plus Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 333 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 128MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1195
50	CME137686LX333HR-256	PC/104-Plus Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 333 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 256MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1295
51	CME137686LX333HR-512	PC/104-Plus Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 333 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 512MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1695



**RTD Embedded Technologies, Inc**

Line Item #	RTD Part Number	Short Description	Price
52	CME137686LX500HR-128	PC/104- <i>Plus</i> Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 500 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 128MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1295
53	CME137686LX500HR-256	PC/104- <i>Plus</i> Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 500 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 256MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1395
54	CME137686LX500HR-512	PC/104- <i>Plus</i> Ultra Low Power AMD Geode™ LX HiRel cpuModule™ & Controller; -40° to +85°C Operation; 500 MHz AMD Geode LX800; Nonvolatile storage of CMOS settings; 512MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (1GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 33/66/100; SVGA; ACPI 2.0 Compliant; Advanced Thermal Management; 15 interrupt channels; 3 timer/counter channels; RTD Enhanced AMI BIOS with USB Boot and Quick Boot modes; Supports MMX and 3DNow!™ instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1795
55	CMT36106HR	PC/104 2.5" IDE Hard Drive Carrier Peripheral Module; Flash or Rotating Hard Drive installation options available; -40° to +85°C Operation (hard drive dependent); Provides a compact IDE drive directly in your PC/104 stack; Decodes the IDE interface from the EIDE bus; Requires additional EIDE controller available with RTD AMD Geode™ LX Series cpuModules™ and RTD Intel® Celeron® Series cpuModules™; UltraDMA-100 / 66 / 33 Master Mode PCI EIDE Controller, Transfer rate up to 100MB/sec using UltraDMA, Support ATAPI compliant devices including DVD drives, Support PCI native and ATA compatibility mode	225



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
56	CMT6118HR	PC/104 Single-slot CompactFlash® Controller with External IDE connector and Floppy Controller Module; -40° to +85°C Operation; Single CompactFlash® socket supports +3.3V and +5V drives easily configurable with Master/Slave jumpers (Supports both Type I and Type II devices), External 0.1" connector for connecting up to 2 IDE devices, Onboard floppy controller with 0.1" floppy connector, CF Socket with CF Retainer included; Supports booting to CompactFlash, floppy, and IDE devices; Supports rotating media drives or flash drives; Drive activity LEDs	345
57	CMX158886CX1000HR-1024	PCI-104 Low Power Intel® Celeron® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.0 GHz Intel Celeron M Nonvolatile storage of CMOS settings; 1 GB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); multiPort with Parallel Port and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2295
58	CMX158886CX1000HR-512	PCI-104 Low Power Intel® Celeron® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.0 GHz Intel Celeron M Nonvolatile storage of CMOS settings; 512MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); multiPort with Parallel Port and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1895



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Line Item #	RTD Part Number	Short Description	Price
59	CMX158886CX1000HR-BRG-1024	PCI-104-BRG Low Power Intel® Celeron® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.0 GHz Intel Celeron M; Nonvolatile storage of CMOS settings; Stackable 104-pin PC/104 AT bus; Stackable 120-pin PCI bus; 1 GB BGA DDR SDRAM; 32 pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable multiPort with Parallel, Floppy Drive Interface and 18-bit Digital I/O with Advanced Digital Interrupt Modes; Additional 18-bit BIOS Selectable Digital I/O; 10/100 Ethernet ; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant, Supported power down modes; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2395
60	CMX158886CX1000HR-BRG-512	PCI-104-BRG Low Power Intel® Celeron® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.0 GHz Intel Celeron M; Nonvolatile storage of CMOS settings; Stackable 104-pin PC/104 AT bus; Stackable 120-pin PCI bus; 512 MB BGA DDR SDRAM; 32 pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable multiPort with Parallel, Floppy Drive Interface and 18-bit Digital I/O with Advanced Digital Interrupt Modes; Additional 18-bit BIOS Selectable Digital I/O; 10/100 Ethernet ; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant, Supported power down modes; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1995
61	CMX158886CX1000HR-BRG-E512	PCI-104-BRG Low Power Intel® Celeron® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.0 GHz Intel Celeron M; Nonvolatile storage of CMOS settings; Stackable 104-pin PC/104 AT bus; Stackable 120-pin PCI bus; 512 Mbytes BGA DDR SDRAM; ECC (Error-Correction Codes) corrects single-bit memory errors and detects 2-bit errors; 32 pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable multiPort with Parallel, Floppy Drive Interface and 18-bit Digital I/O with Advanced Digital Interrupt Modes; Additional 18-bit BIOS Selectable Digital I/O; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2095



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Line Item #	RTD Part Number	Short Description	Price
62	CMX158886CX1000HR-E512	PCI-104 Low Power Intel® Celeron® M HiRel cpuModule™ & Controller; - 40° to +85°C Operation; 1.0 GHz Intel Celeron M; Nonvolatile storage of CMOS settings; 512 Mbytes BGA DDR SDRAM; ECC (Error-Correction Codes) corrects single-bit memory errors and detects 2-bit errors; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); multiPort with Parallel Port and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	1995
63	CMX158886PX1400HR-1024	PCI-104 Low Power Intel® Pentium® M HiRel cpuModule™ & Controller; - 40° to +85°C Operation; 1.4 GHz Intel Pentium M; Nonvolatile storage of CMOS settings; 1 GB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features including Enhanced Intel SpeedStep Technology; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2795
64	CMX158886PX1400HR-512	PCI-104 Low Power Intel® Pentium® M HiRel cpuModule™ & Controller; - 40° to +85°C Operation; 1.4 GHz Intel Pentium M; Nonvolatile storage of CMOS settings; 512 MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features including Enhanced Intel SpeedStep Technology; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2395



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Line Item #	RTD Part Number	Short Description	Price
65	CMX158886PX1400HR-BRG-1024	PCI-104-BRG Low Power Intel® Pentium® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.4 GHz Intel Pentium M; Nonvolatile storage of CMOS settings; Stackable 104-pin PC/104 AT bus; Stackable 120-pin PCI bus; 1 GB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable multiPort with Parallel, Floppy Drive Interface and 18-bit Digital I/O with Advanced Digital Interrupt Modes; Additional 18-bit BIOS Selectable Digital I/O; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features including Enhanced Intel SpeedStep Technology; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2895
66	CMX158886PX1400HR-BRG-512	PCI-104-BRG Low Power Intel® Pentium® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.4 GHz Intel Pentium M; Nonvolatile storage of CMOS settings; Stackable 104-pin PC/104 AT bus; Stackable 120-pin PCI bus; 512 MB BGA DDR SDRAM; 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable multiPort with Parallel, Floppy Drive Interface and 18-bit Digital I/O with Advanced Digital Interrupt Modes; Additional 18-bit BIOS Selectable Digital I/O; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features including Enhanced Intel SpeedStep Technology; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2495



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Line Item #	RTD Part Number	Short Description	Price
67	CMX158886PX1400HR-BRG-E512	PCI-104-BRG Low Power Intel® Pentium® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.4 GHz Intel Pentium M; Nonvolatile storage of CMOS settings; Stackable 104-pin PC/104 AT bus; Stackable 120-pin PCI bus; 512 Mbytes BGA DDR SDRAM; ECC (Error-Correction Codes) corrects single-bit memory errors and detects 2-bit errors (available on 512MB model); 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); BIOS Selectable multiPort with Parallel, Floppy Drive Interface and 18-bit Digital I/O with Advanced Digital Interrupt Modes; Additional 18-bit BIOS Selectable Digital I/O; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features including Enhanced Intel SpeedStep Technology; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2595
68	CMX158886PX1400HR-E512	PCI-104 Low Power Intel® Pentium® M HiRel cpuModule™ & Controller; -40° to +85°C Operation; 1.4 GHz Intel Pentium M; Nonvolatile storage of CMOS settings; 512 Mbytes BGA DDR SDRAM; ECC (Error-Correction Codes) corrects single-bit memory errors and detects 2-bit errors (option for 512MB model); 32-pin SSD socket for miniature ATA/IDE Flash Disk up to 8GB (4GB standard); multiPort with Parallel Port, Floppy Drive Interface and 18-bit Digital I/O Port with Advanced Digital Interrupt Modes; 10/100 Ethernet; Four RS-232/422/485; Two USB 2.0; EIDE Controller with UltraDMA 100; SVGA controller with 3D Acceleration; DirectX & OpenGL 3D Accelerator; AC97 Audio Support; Advanced power management features including Enhanced Intel SpeedStep Technology; Advanced Thermal Management; 24 interrupt channels with APIC enabled (15 in legacy PIC mode); 3 timer/counter channels; High resolution 100 MHz APIC timer; RTD Enhanced AMI BIOS with ACPI, USB Boot and Quick Boot modes; ACPI 1.0 Compliant; Supports MMX and SSE2 instructions; Real time clock (external battery required); Watchdog timer; PS/2 Mouse Port; Keyboard Port; Speaker Port	2495
69	COM16055ER-1	PC/104 GSM/GPRS Modem and GPS Receiver Peripheral Module; -20° to +70°C Operation; -40° to +70°C operation for emergency calls only. GSM/GPRS modem uses a Siemens MC55 tri band 900/1800/1900MHz engine with interface through onboard 16C550 UART channel. Standard onboard SIM-card socket reader. Twelve channel low power GPS receiver using Fastrax iTrax03/02 engine. Temperature sensing and 16 TTL level digital I/O lines. Ideal for automotive and fleet management systems.	895
70	COM16055ER-2	PC/104 GSM/GPRS Modem and GPS Receiver Peripheral Module; -20° to +70°C Operation; -40° to +70°C operation for emergency calls only. GSM/GPRS modem uses a Siemens MC55 tri band 900/1800/1900MHz engine with interface through onboard 16C550 UART channel. External SIM-card reader. Twelve channel low power GPS receiver using Fastrax iTrax03/02 engine. Temperature sensing and 16 TTL level digital I/O lines. Ideal for automotive and fleet management systems.	895



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
71	COM16055RER-1	PC/104 GSM/GPRS Modem and GPS Receiver Peripheral Module for the GSM-Rail System; -20° to +70°C Operation; -40° to +70°C operation for emergency calls only. GSM/GPRS modem uses a Triorail TRM:2 tri band GSM-R/900/1800MHz engine with interface through onboard 16C550 UART channel. Standard onboard SIM-card socket reader. Twelve channel low power GPS receiver using Fastrax iTrax03/02 engine. Temperature sensing and 16 TTL level digital I/O lines.	1595
72	COM16055RER-2	PC/104 GSM/GPRS Modem and GPS Receiver Peripheral Module for the GSM-Rail System; -20° to +70°C Operation; -40° to +70°C operation for emergency calls only. GSM/GPRS modem uses a Triorail TRM:2 tri band GSM-R/900/1800MHz engine with interface through onboard 16C550 UART channel. External SIM-card reader. Twelve channel low power GPS receiver using Fastrax iTrax03/02 engine. Temperature sensing and 16 TTL level digital I/O lines.	1595
73	COM17075ER-1	PC/104-Plus GSM/GPRS/EDGE Modem and GPS Receiver Peripheral Module; -30° to +70°C Operation; +65° to +75°C Voice emergency calls only; Auto switch-off at +75°C; GSM/GPRS/EDGE modem uses a Siemens MC75 quad band 850/900/1800/1900MHz engine with interface through onboard PCI UART channel. Standard onboard SIM-card socket reader. Twelve channel low power GPS receiver using Fastrax iTrax03/02 engine. Temperature sensing and 16 TTL level digital I/O lines. Ideal for automotive and fleet management systems.	895
74	COM17075ER-2	PC/104-Plus GSM/GPRS/EDGE Modem and GPS Receiver Peripheral Module; -30° to +70°C Operation; +65° to +75°C Voice emergency calls only; Auto switch-off at +75°C; GSM/GPRS/EDGE modem uses a Siemens MC75 quad band 850/900/1800/1900MHz engine with interface through onboard PCI UART channel. External SIM-card reader. Twelve channel low power GPS receiver using Fastrax iTrax03/02 engine. Temperature sensing and 16 TTL level digital I/O lines. Ideal for automotive and fleet management systems.	895
75	COM18075ER-1	PCI-104 GSM/GPRS/EDGE Modem and GPS Receiver Peripheral Module; -30° to +70°C Operation; +65° to +75°C Voice emergency calls only; Auto switch-off at +75°C; GSM/GPRS/EDGE modem uses a Siemens MC75 quad band 850/900/1800/1900MHz engine with interface through onboard PCI UART channel. Standard onboard SIM-card socket reader. Twelve channel low power GPS receiver using Fastrax iTrax03/02 engine. Temperature sensing and 16 TTL level digital I/O lines. Ideal for automotive and fleet management systems.	895
76	COM18075ER-2	PCI-104 GSM/GPRS/EDGE Modem and GPS Receiver Peripheral Module; -30° to +70°C Operation; +65° to +75°C Voice emergency calls only; Auto switch-off at +75°C; GSM/GPRS/EDGE modem uses a Siemens MC75 quad band 850/900/1800/1900MHz engine with interface through onboard PCI UART channel. External SIM-card reader. Twelve channel low power GPS receiver using Fastrax iTrax03/02 engine. Temperature sensing and 16 TTL level digital I/O lines. Ideal for automotive and fleet management systems.	895
77	DM6210HR	PC/104 Analog In and Digital I/O dataModule®; 0° to +70°C Operation; Analog Inputs: 16 Single-ended inputs, 12-bit A/D, 25µs conversion time (40kHz throughput), ±5, ±10V, +10V Input Ranges, Resistor-configurable gain; Triggering, Software Triggering only; Digital I/O: 16 port-programmable digital I/O lines, Pull-up and Pull-down resistors, ±2.5mA output drive current; Three 16-bit timer/counters, on-board 8 MHz clock; Selectable Interrupt Source	495



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Line Item #	RTD Part Number	Short Description	Price
78	DM6420HR-1	PC/104 Analog and Digital I/O dataModules®; -40° to +85°C Operation; Analog Inputs: 16 Single-ended/8 Differential inputs, 12-bit A/D with matched internal Sample and Hold, 2µs conversion time (500kHz throughput), ±5, ±10, +10V Programmable Input Ranges, Programmable gains of 1, 2, 4, 8, 1K entry Channel-Gain Scan Memory with Skip Bit; 1K Sample Buffer on A/D Converter, DMA transfers; Versatile Triggering: Software, Pacer Clock, Burst Clock and External Triggers, Pre-, Post-, and About-Trigger Modes, Random Scan, Burst, and Multi-burst using Channel-Gain Table; Two analog outputs: 12-bit resolution, 5µs settling time (full scale), ±5, +5, +10V output ranges, 5mA output current; Digital I/O: 3 Data-marker Input Bits, 1K byte Digital Input Buffer, 8 bit-programmable digital I/O lines with Advanced Digital Interrupts, 8 port-programmable digital I/O lines, -12/+24mA output drive currents; Timers and Counters: Programmable high-speed sample counter, External gate or always enabled (jumper selectable), 8 MHz clock (jumper selectable), Two 16-bit timer/counters, on-board 8 MHz clock; Programmable Interrupt Source	795
79	DM6420HR-8	PC/104 Analog and Digital I/O dataModules®; -40° to +85°C Operation; Analog Inputs: 16 Single-ended/8 Differential inputs, 12-bit A/D with matched internal Sample and Hold, 2µs conversion time (500kHz throughput), ±5, ±10, +10V Programmable Input Ranges, Programmable gains of 1, 2, 4, 8, 8K entry Channel-Gain Scan Memory with Skip Bit; 8K Sample Buffer on A/D Converter, DMA transfers; Versatile Triggering: Software, Pacer Clock, Burst Clock and External Triggers, Pre-, Post-, and About-Trigger Modes, Random Scan, Burst, and Multi-burst using Channel-Gain Table; Two analog outputs: 12-bit resolution, 5µs settling time (full scale), ±5, +5, +10V output ranges, 5mA output current; Digital I/O: 3 Data-marker Input Bits, 8K byte Digital Input Buffer, 8 bit-programmable digital I/O lines with Advanced Digital Interrupts, 8 port-programmable digital I/O lines, -12/+24mA output drive currents; Timers and Counters: Programmable high-speed sample counter, External gate or always enabled (jumper selectable), 8 MHz clock (jumper selectable), Two 16-bit timer/counters, on-board 8 MHz clock; Programmable Interrupt Source	945
80	DM6425HR-1	PC/104 Analog and Digital I/O dataModule®; -40° to +85°C Operation; Analog Inputs (16 differential or 32 single-ended channels, 12-bit, Successive Approximation Register A/D with internal Sample and Hold circuitry, 0.8 µs conversion time (500 KHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4 & 8, 1K entry Channel-Gain Scan Memory with Skip Bit); 1K Sample Buffer on A/D Converter, DMA transfers; Four analog outputs (12-bit resolution, Simultaneous Update, 5µs settling time (full scale), ±5, +5, ±10, & +10V output ranges, 5mA output current); 32 Digital I/O Channels (Two 8-bit port programmable, Two 8 bit programmable); Three 16-bit 8 MHz timer/counters; Six programmable operating modes, 8MHz clock (jumper selectable), External gate or always enabled (jumper selectable); Full Interrupt support	895



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
81	DM6425HR-8	PC/104 Analog and Digital I/O dataModule®; -40° to +85°C Operation; Analog Inputs (16 differential or 32 single-ended channels, 12-bit, Successive Approximation Register A/D with internal Sample and Hold circuitry, 0.8 μs conversion time (500 KHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4 & 8; 8K entry Channel-Gain Scan Memory with Skip Bit); 8K Sample Buffer on A/D Converter, DMA transfers; Four analog outputs (12-bit resolution, Simultaneous Update, 5μs settling time (full scale), ±5, +5, ±10, & +10V output ranges, 5mA output current); 32 Digital I/O Channels (Two 8-bit port programmable, Two 8 bit programmable); Three 16-bit 8 MHz timer/counters; Six programmable operating modes, 8MHz clock (jumper selectable), External gate or always enabled (jumper selectable); Full Interrupt support	995
82	DM6430HR-1	PC/104 Analog and Digital I/O dataModules®; -40° to +85°C Operation; Analog Inputs (16 Single-ended/8 Differential inputs, 16-bit A/D with matched internal Sample and Hold, 10μs conversion time (100kHz throughput), ±10V Input Range, Programmable gains of 1, 2, 4, 8, 1K entry Channel-Gain Scan Memory with Skip Bit); 1K Sample Buffer on A/D Converter, DMA transfers; Versatile Triggering (Software, Pacer Clock, and External Triggers, Pre-, Post-, and About-Trigger Modes, Random Scan, Burst, and Multi-burst using Channel-Gain Table); Two fast analog outputs (16-bit resolution, 10μs settling time (full scale), ±10V output range, 5mA output current); Digital I/O (1K byte Digital Input Buffer, 8 bit-programmable digital I/O lines with Advanced Digital Interrupts, 8 port-programmable digital I/O lines, -12/+24mA output drive currents); Programmable high-speed sample counter, Two 16-bit timer/counters, on-board 8 MHz clock; Programmable Interrupt Source	795
83	DM6430HR-8	PC/104 Analog and Digital I/O dataModules®; -40° to +85°C Operation; Analog Inputs (16 Single-ended/8 Differential inputs, 16-bit A/D with matched internal Sample and Hold, 10μs conversion time (100kHz throughput), ±10V Input Range, Programmable gains of 1, 2, 4, 8; 8K entry Channel-Gain Scan Memory with Skip Bit); 8K Sample Buffer on A/D Converter, DMA transfers; Versatile Triggering (Software, Pacer Clock, and External Triggers, Pre-, Post-, and About-Trigger Modes, Random Scan, Burst, and Multi-burst using Channel-Gain Table); Two fast analog outputs (16-bit resolution, 10μs settling time (full scale), ±10V output range, 5mA output current); Digital I/O (8K byte Digital Input Buffer, 8 bit-programmable digital I/O lines with Advanced Digital Interrupts, 8 port-programmable digital I/O lines, -12/+24mA output drive currents); Programmable high-speed sample counter, Two 16-bit timer/counters, on-board 8 MHz clock; Programmable Interrupt Source	945
84	DM6604HR	PC/104 Analog Output and Digital I/O dataModules®; -40° to +85°C Operation; Eight analog outputs: (12-bit resolution, 5μs settling time (full scale), Four programmable voltage ranges: ±5, ±10, +5, +10, 5mA output current); Jumper-selectable hardware interrupts (DM6604: IRQ 2/9, 3, 4, 5, 6, 7, 10, 11, 12, 14, 15); Digital I/O (24 8255-type I/O lines, Locations for jumper-selectable pull-up/pull-down resistors, ±2.5mA output drive currents)	595



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
85	DM6620HR-1	PC/104 Analog Output and Digital I/O dataModules®; -40° to +85°C Operation; Four fast analog outputs (12-bit resolution, Typical 5µs settling time (+/-10V range), Four programmable voltage ranges: ±5, ±10, +5, +10, 5mA output current); 1K sample Buffer on each output channel, Cycle mode for repetitive waveform generation, DMA transfers; Digital I/O (Four data-marker output bits, 8 bit-programmable digital I/O lines with Advanced Digital Interrupts, 8 port-programmable digital I/O lines, -12/+24mA output drive currents); Three independent sample counters, Three 16-bit timer/counters, on-board 8 MHz clock	795
86	DM6620HR-8	PC/104 Analog Output and Digital I/O dataModules®; -40° to +85°C Operation; Four fast analog outputs (12-bit resolution, Typical 5µs settling time (+/-10V range), Four programmable voltage ranges: ±5, ±10, +5, +10, 5mA output current); 8K sample Buffer on each output channel, Cycle mode for repetitive waveform generation, DMA transfers; Digital I/O (Four data-marker output bits, 8 bit-programmable digital I/O lines with Advanced Digital Interrupts, 8 port-programmable digital I/O lines, -12/+24mA output drive currents); Three independent sample counters, Three 16-bit timer/counters, on-board 8 MHz clock	895
87	DM6806HR	PC/104 opto-22 Compatible Digital I/O dataModules® ; -40° to +85°C Operation; 24 Buffered 8255 programmable Digital I/Os; Direct connection to opto-22 I/O system modules; Pull-up/pull-down resistors on each port (optional); Three 16-bit timer/counters, 82C54, on-board 8 MHz clock; Single power supply: +5V	255
88	DM6810HR	PC/104 opto-22 Compatible Digital I/O dataModules®; -40° to +85°C Operation; Diode protected digital I/O lines (48-bit programmable); Jumper-selectable hardware interrupt IRQ 2/9, 3, 4, 5, 6, 7, 10, 11, 12, 14, 15; Standard outputs: -8mA / +8mA (source / sink); Direct connection to opto-22 I/O system modules; Pull-up/pull-down resistors on each bit or each port; Three 16-bit timer/counters, on-board 8 MHz clock;	345
89	DM6812HR	PC/104 opto-22 Compatible Digital I/O dataModules®; -40° to +85°C Operation; Diode protected digital I/O lines (24-bit programmable, 24-bit port programmable); Jumper-selectable hardware interrupt IRQ 2/9, 3, 4, 5, 6, 7, 10, 11, 12, 14, 15; Standard outputs: -8mA / +8mA (source / sink); Direct connection to opto-22 I/O system modules; Pull-up/pull-down resistors on each bit or each port; Three 16-bit timer/counters, on-board 8 MHz clock;	345
90	DM6814HR	PC/104 Quadrature Encoder Input dataModules®; -40° to +85°C Operation; Three quadrature encoder diode protected inputs for rotary or linear position encoders; Six bit-programmable digital I/O lines; Jumper-selectable hardware interrupt 6814: IRQ 2/9, 3, 4, 5, 6, 7, 10, 11, 12, 14, 15; Twelve input-only digital lines; Three 16-bit timer/counters, on-board 8 MHz clock; Pull-up/pull-down resistors on each bit or each port;	345



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Line Item #	RTD Part Number	Short Description	Price
91	DM6816HR	PC/104 PWM Output dataModules®; -40° to +85°C Operation; Pulse-Width-Modulator (PWM) Outputs (9 independent PWM channels, 8-bit resolution, Synchronized to common 8MHz xtal oscillator, Each group of three outputs can be driven by either: 8MHz oscillator (gives fixed 32250 Hz frequency), 8MHz oscillator divided by timer/counter (gives 0.5 Hz to 15625 Hz), Each channel can be independently enabled or disabled); Digital Outputs (9 output lines, Buffered TTL-compatible (-8mA source, +8mA sink), Individual 10k pull-up/down resistors); Jumper-selectable hardware interrupt 6814: IRQ 2/9, 3, 4, 5, 6, 7, 10, 11, 12, 14, 15; Three 16-bit timer/counters, On-board 8 MHz clock, One timer/counter can provide divided clock for PWM channels	345
92	DM6852HR-H	PC/104 Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated High-Power Outputs (8 Open drain MOSFET Outputs, Maximum output current: 4A (sink), Maximum output voltage: 60V, Double buffered output register with external update, 1500 Vrms isolation); Isolated Inputs (4 Opto-isolated digital inputs with jumper selected range, +5V typical input range: On at 2.4 Volts, Maximum input 15 Volts, +12V typical input range: On at 7.9 Volts, Maximum input 36 Volts, +24V typical input range: On at 14 Volts, Maximum input 50 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Non-Isolated I/O (24 non-isolated digital I/O lines, 8255 compatible, Jumper selectable port pull-up/pull-down resistors); Connectors (High-power Outputs: Standard 48 pin 0.1" DIL header, Isolated Inputs: Standard 16 pin 0.1" DIL header, Non-isolated I/O: Standard 50-pin 0.1" DIL header)	525
93	DM6852HR-S	PC/104 Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated High-Power Outputs (8 Open drain MOSFET Outputs, Maximum output current: 4A (sink), Maximum output voltage: 60V, Double buffered output register with external update, 1500 Vrms isolation); Isolated Inputs (4 Opto-isolated digital inputs with jumper selected range, +5V typical input range: On at 2.4 Volts, Maximum input 15 Volts, +12V typical input range: On at 7.9 Volts, Maximum input 36 Volts, +24V typical input range: On at 14 Volts, Maximum input 50 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Non-Isolated I/O (24 non-isolated digital I/O lines, 8255 compatible, Jumper selectable port pull-up/pull-down resistors); Connectors (High-power Outputs: 24-socket screw terminal, Isolated Inputs: 8-socket screw terminal, Non-isolated I/O: Standard 50-pin 0.1" DIL header)	545
94	DM6854HR-H	PC/104 Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated Inputs (8 Opto-isolated digital inputs with jumper selected range, +5V typical input range: On at 2.4 Volts, Maximum input 15 Volts, +12V typical input range: On at 7.9 Volts, Maximum input 36 Volts, +24V typical input range: On at 14 Volts, Maximum input 50 Volts, Custom settings available, Reverse-polarity protection, Masking for interrupts, 1500 Vrms isolation); Isolated Outputs (4 Opto-isolated open-collector digital outputs, Maximum output current: 100mA (sink), Maximum output voltage: 30V, 1500 Vrms isolation); Non-Isolated I/O (24 non-isolated digital I/O lines, 8255 compatible, Three 8-bit ports, Jumper selectable pull-up/pull-down resistors for each port); Connectors (Isolated Inputs and Outputs: Standard 48-pin 0.1" DIL header, Non-isolated I/O: Standard 50 position 0.1" DIL header)	489



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
95	DM6854HR-S	PC/104 Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated Inputs (8 Opto-isolated digital inputs with jumper selected range, +5V typical input range: On at 2.4 Volts, Maximum input 15 Volts, +12V typical input range: On at 7.9 Volts, Maximum input 36 Volts, +24V typical input range: On at 14 Volts, Maximum input 50 Volts, Custom settings available, Reverse-polarity protection, Masking for interrupts, 1500 Vrms isolation); Isolated Outputs (4 Opto-isolated open-collector digital outputs, Maximum output current: 100mA (sink), Maximum output voltage: 30V, 1500 Vrms isolation); Non-Isolated I/O (24 non-isolated digital I/O lines, 8255 compatible, Three 8-bit ports, Jumper selectable pull-up/pull-down resistors for each port); Connectors (Isolated Inputs and Outputs: 24-socket screw terminal, Non-isolated I/O: Standard 50 position 0.1" DIL header)	509
96	DM6856HR-12V	PC/104 Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated Inputs (16 Opto-isolated digital inputs, Input Range: +12V typical input range: On at 7.9 Volts, Maximum input 36 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Isolated Outputs (16 Opto-isolated open-collector digital outputs, 4.7K ohm pull-up resistor, Maximum output current: 8mA (sink), Maximum output voltage: 30V, 1500 Vrms isolation)	495
97	DM6856HR-24V	PC/104 Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated Inputs (16 Opto-isolated digital inputs, Input Range: +24V typical input range: On at 14.2 Volts, Maximum input 50 Volts, For use in +28V avionics applications, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Isolated Outputs (16 Opto-isolated open-collector digital outputs, 4.7K ohm pull-up resistor, Maximum output current: 8mA (sink), Maximum output voltage: 30V, 1500 Vrms isolation)	495
98	DM6856HR-5V	PC/104 Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated Inputs (16 Opto-isolated digital inputs, Input Range: +5V typical input range, On at 2.4 Volts, Maximum input 15 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Isolated Outputs (16 Opto-isolated open-collector digital outputs, 4.7K ohm pull-up resistor, Maximum output current: 8mA (sink), Maximum output voltage: 30V, 1500 Vrms isolation)	395
99	DM6858HR-12V	PC/104 Isolated Digital Input dataModule®; -40° to +85°C Operation; Isolated Inputs (32 Opto-isolated digital inputs, Input Range: +12V typical input range: On at 7.9 Volts, Maximum input 36 Volts, Reverse-polarity protection, 1500 Vrms isolation)	495
100	DM6858HR-24V	PC/104 Isolated Digital Input dataModule®; -40° to +85°C Operation; Isolated Inputs (32 Opto-isolated digital inputs, Input Range: +24V typical input range: On at 14.2 Volts, Maximum input 50 Volts, For use in +28V avionics applications, Reverse-polarity protection, 1500 Vrms isolation)	495
101	DM6858HR-5V	PC/104 Isolated Digital Input dataModule®; -40° to +85°C Operation; Isolated Inputs (32 Opto-isolated digital inputs, Input Range: +5V typical input range, On at 2.4 Volts, Maximum input 15 Volts, Reverse-polarity protection, 1500 Vrms isolation)	395
102	DM6888HR-12V	PC/104 64 channel High Density Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated Inputs (48 Opto-isolated digital inputs, Input Range: +12V typical input range: On at 7.9 Volts, Maximum input 36 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Isolated Outputs (16 Opto-isolated open-collector digital outputs, 4.7K ohm pull-up resistor, Maximum output current: 8mA (sink), Maximum output voltage: 30V, 1500 Vrms isolation)	595



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
103	DM6888HR-24V	PC/104 64 channel High Density Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated Inputs (48 Opto-isolated digital inputs, Input Range: +24V typical input range, On at 14.2 Volts, Maximum input 50 Volts, For use in +28V avionics applications, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Isolated Outputs (16 Opto-isolated open-collector digital outputs, 4.7K ohm pull-up resistor, Maximum output current: 8mA (sink), Maximum output voltage: 30V, 1500 Vrms isolation)	595
104	DM6888HR-5V	PC/104 64 channel High Density Isolated Digital I/O dataModule®; -40° to +85°C Operation; Isolated Inputs (48 Opto-isolated digital inputs, Input Range: +5V typical input range, On at 2.4 Volts, Maximum input 15 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Isolated Outputs (16 Opto-isolated open-collector digital outputs, 4.7K ohm pull-up resistor, Maximum output current: 8mA (sink), Maximum output voltage: 30V, 1500 Vrms isolation)	595
105	DM6952HR-H	PC/104 Power Relay dataModule®; -40° to +85°C Operation; Outputs (16 power relays with Form C contacts, 60 VA switching capacity, Switching current: 2 A at 30 VDC, 0.5 A at 125 VAC, 0.25 A at 220 VAC, Max switching voltage 220 VDC / VAC, Operate and release time 4 milliseconds, 1000 Vrms isolation, Expected life: Mechanical (at 180 cpm) 100,000,000 operations, Electrical at 2 A, 30 VDC resistive 500,000 operations); Standard 50 position 0.1" DIL headers	325
106	DM6952HR-S	PC/104 Power Relay dataModule®; -40° to +85°C Operation; Outputs (16 power relays with Form C contacts, 60 VA switching capacity, Switching current: 2 A at 30 VDC, 0.5 A at 125 VAC, 0.25 A at 220 VAC, Max switching voltage 220 VDC / VAC, Operate and release time 4 milliseconds, 1000 Vrms isolation, Expected life: Mechanical (at 180 cpm) 100,000,000 operations, Electrical at 2 A, 30 VDC resistive 500,000 operations); Screw terminal blocks	345
107	DM6956HR-12V-H	PC/104 Power Relay dataModule®; -40° to +85°C Operation; Isolated Inputs (16 Opto-isolated digital inputs, +12V typical input range, On at 7.9 Volts, Maximum input 36 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Outputs (16 power relays with Form C contacts, 60 VA switching capacity, Switching current: 2 A at 30 VDC, 0.5 A at 125 VAC, 0.25 A at 220 VAC, Max switching voltage 220 VDC / VAC, Operate and release time 4 milliseconds, 1000 Vrms isolation; Connectors (Relay Outputs Standard 50 position 0.1" DIL headers, Isolated Inputs Standard 34-pin 0.1" DIL header)	577
108	DM6956HR-12V-S	PC/104 Power Relay dataModule®; -40° to +85°C Operation; Isolated Inputs (16 Opto-isolated digital inputs, +12V typical input range, On at 7.9 Volts, Maximum input 36 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Outputs (16 power relays with Form C contacts, 60 VA switching capacity, Switching current: 2 A at 30 VDC, 0.5 A at 125 VAC, 0.25 A at 220 VAC, Max switching voltage 220 VDC / VAC, Operate and release time 4 milliseconds, 1000 Vrms isolation; Connectors (Relay Outputs Screw terminal blocks, Isolated Inputs Standard 34-pin 0.1" DIL header)	598



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
109	DM6956HR-24V-H	PC/104 Power Relay dataModule®; -40° to +85°C Operation; Isolated Inputs (16 Opto-isolated digital inputs, +24V typical input range, On at 14.2 Volts, Maximum input 50 Volts; custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Outputs (16 power relays with Form C contacts, 60 VA switching capacity, Switching current: 2 A at 30 VDC, 0.5 A at 125 VAC, 0.25 A at 220 VAC, Max switching voltage 220 VDC / VAC, Operate and release time 4 milliseconds, 1000 Vrms isolation; Connectors (Relay Outputs Standard 50 position 0.1" DIL headers, Isolated Inputs Standard 34-pin 0.1" DIL header)	577
110	DM6956HR-24V-S	PC/104 Power Relay dataModule®; -40° to +85°C Operation; Isolated Inputs (16 Opto-isolated digital inputs, +24V typical input range, On at 14.2 Volts, Maximum input 50 Volts; Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Outputs (16 power relays with Form C contacts, 60 VA switching capacity, Switching current: 2 A at 30 VDC, 0.5 A at 125 VAC, 0.25 A at 220 VAC, Max switching voltage 220 VDC / VAC, Operate and release time 4 milliseconds, 1000 Vrms isolation; Connectors (Relay Outputs Screw terminal blocks, Isolated Inputs Standard 34-pin 0.1" DIL header)	598
111	DM6956HR-5V-H	PC/104 Power Relay dataModule®; -40° to +85°C Operation; Isolated Inputs (16 Opto-isolated digital inputs, +5V typical input range, On at 2.4 Volts, Maximum input 15 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Outputs (16 power relays with Form C contacts, 60 VA switching capacity, Switching current: 2 A at 30 VDC, 0.5 A at 125 VAC, 0.25 A at 220 VAC, Max switching voltage 220 VDC / VAC, Operate and release time 4 milliseconds, 1000 Vrms isolation; Connectors (Relay Outputs Standard 50 position 0.1" DIL headers, Isolated Inputs Standard 34-pin 0.1" DIL header)	477
112	DM6956HR-5V-S	PC/104 Power Relay dataModule®; -40° to +85°C Operation; Isolated Inputs (16 Opto-isolated digital inputs, +5V typical input range, On at 2.4 Volts, Maximum input 15 Volts, Custom settings available, Reverse-polarity protection, 1500 Vrms isolation); Outputs (16 power relays with Form C contacts, 60 VA switching capacity, Switching current: 2 A at 30 VDC, 0.5 A at 125 VAC, 0.25 A at 220 VAC, Max switching voltage 220 VDC / VAC, Operate and release time 4 milliseconds, 1000 Vrms isolation; Connectors (Relay Outputs Screw terminal blocks, Isolated Inputs Standard 34-pin 0.1" DIL header)	498



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
113	DM7520HR-1	PC/104- <i>Plus</i> Analog and Digital I/O dataModule®; -40° to +85°C Operation; Analog Inputs (8 differential or 16 single-ended channels, 12-bit A/D with matched internal Sample and Hold, 0.8 μs conversion time (1.25 MHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4, 8, 16 & 32, 1K entry Channel-Gain Scan Memory with Skip Bit); Multi-channel Buffered Serial Port (McBSP); 1K sample buffer on A/D converter; 1K sample buffer on each D/A converter channel; Versatile Triggering (Software, Pacer Clock, Burst Clock and External Triggers, Pre-, Post-, and About-Trigger Modes, Random scan, burst and multi-burst using channel-gain table); Two fast analog outputs (12-bit resolution, Typical 5μs settling time (+/-10V range), ±5, +5, ±10, & +10V output ranges, 5mA output current); Digital I/O (3 Data-marker Input Bits, 1K byte digital input buffer, 8 bit-programmable digital I/O lines and an 8-bit programmable port, Advanced digital interrupts, -12/+24mA output drive currents); Twelve 16-bit, 8 MHz timer/counters to support timing and counting functions (3 available for User applications); Programmable Interrupt Source	845
114	DM7520HR-8	PC/104- <i>Plus</i> Analog and Digital I/O dataModule®; -40° to +85°C Operation; High-speed Analog Inputs (8 differential or 16 single-ended channels, 12-bit A/D with matched internal Sample and Hold, 0.8 μs conversion time (1.25 MHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4, 8, 16 & 32, 1K entry Channel-Gain Scan Memory with Skip Bit); Multi-channel Buffered Serial Port (McBSP); 8K sample buffer on A/D converter; 8K sample buffer on each D/A converter channel; Versatile Triggering (Software, Pacer Clock, Burst Clock and External Triggers, Pre-, Post-, and About-Trigger Modes, Random scan, burst and multi-burst using channel-gain table); Two fast analog outputs (12-bit resolution, Typical 5μs settling time (+/-10V range), ±5, +5, ±10, & +10V output ranges, 5mA output current); Digital I/O (3 Data-marker Input Bits, 8K byte digital input buffer, 8 bit-programmable digital I/O lines and an 8-bit programmable port, Advanced digital interrupts, -12/+24mA output drive currents); Twelve 16-bit, 8 MHz timer/counters to support timing and counting functions (3 available for User applications); Programmable Interrupt Source	995
115	DM7820HR	PC/104- <i>Plus</i> High Speed Digital I/O dataModule®; -40° to +85°C Operation; 48 Diode protected I/O lines; 2 MB Input FIFO buffer onboard; Standard outputs: -24mA / +24mA (source / sink); On-board 25 MHz clock	495



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Line Item #	RTD Part Number	Short Description	Price
116	DM8520HR-1	PCI-104 Analog and Digital I/O dataModule®; -40° to +85°C Operation; High-speed Analog Inputs (8 differential or 16 single-ended channels, 12-bit A/D with matched internal Sample and Hold, 0.8 µs conversion time (1.25 MHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4, 8, 16 & 32, 1K entry Channel-Gain Scan Memory with Skip Bit); Multi-channel Buffered Serial Port (McBSP); 1K sample buffer on A/D converter; 1K sample buffer on each D/A converter channel; Versatile Triggering (Software, Pacer Clock, Burst Clock and External Triggers, Pre-, Post-, and About-Trigger Modes, Random scan, burst and multi-burst using channel-gain table); Two fast analog outputs (12-bit resolution, Typical 5µs settling time (+/-10V range), ±5, +5, ±10, & +10V output ranges, 5mA output current); Digital I/O (3 Data-marker Input Bits, 1K byte digital input buffer, 8 bit-programmable digital I/O lines and an 8-bit programmable port, Advanced digital interrupts, -12/+24mA output drive currents); Twelve 16-bit, 8 MHz timer/counters to support timing and counting functions (3 available for User applications); Programmable Interrupt Source	845
117	DM8520HR-8	PCI-104 Analog and Digital I/O dataModule®; -40° to +85°C Operation; High-speed Analog Inputs (8 differential or 16 single-ended channels, 12-bit A/D with matched internal Sample and Hold, 0.8 µs conversion time (1.25 MHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4, 8, 16 & 32, 1K entry Channel-Gain Scan Memory with Skip Bit); Multi-channel Buffered Serial Port (McBSP); 8K sample buffer on A/D converter; 8K sample buffer on each D/A converter channel; Versatile Triggering (Software, Pacer Clock, Burst Clock and External Triggers, Pre-, Post-, and About-Trigger Modes, Random scan, burst and multi-burst using channel-gain table); Two fast analog outputs (12-bit resolution, Typical 5µs settling time (+/-10V range), ±5, +5, ±10, & +10V output ranges, 5mA output current); Digital I/O (3 Data-marker Input Bits, 8K byte digital input buffer, 8 bit-programmable digital I/O lines and an 8-bit programmable port, Advanced digital interrupts, -12/+24mA output drive currents); Twelve 16-bit, 8 MHz timer/counters to support timing and counting functions (3 available for User applications); Programmable Interrupt Source	995
118	DM8820HR	PCI-104 High Speed Digital I/O dataModule®; -40° to +85°C Operation; PCI bus interface; 48 Diode protected I/O lines; 2 MB Input FIFO buffer onboard; Standard outputs: -24mA / +24mA (source / sink); On-board 25 MHz clock	495
119	DM9820HR	PCI/104-Express High Speed Digital I/O dataModule®; -40° to +85°C Operation; PCI Express x1 Interface; 48 Diode protected I/O lines; 2 MB Input FIFO buffer onboard; Standard outputs: -24mA / +24mA (source / sink); On-board 25 MHz clock	595
120	DMR8	Mechanical Relay Output Board; 8 SPDT relays (120 VAC / VDC, 2 A rating, 500 VAC / VDC breakdown voltage, 10 msec typical switching time); On-board relay driver circuits; LED indicators to monitor relay activity; Single +5 VDC power supply	259
121	DMR16	Mechanical Relay Output Board; 16 SPDT relays (120 VAC / VDC, 2 A rating, 500 VAC / VDC breakdown voltage, 10 msec typical switching time); On-board relay driver circuits; LED indicators to monitor relay activity; Single +5 VDC power supply	315



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
122	DMR24	Mechanical Relay Output Board; 24 SPDT relays (120 VAC / VDC, 2 A rating, 500 VAC / VDC breakdown voltage, 10 msec typical switching time); On-board relay driver circuits; LED indicators to monitor relay activity; Single +5 VDC power supply	369
123	DOP8	Opto-isolated Digital Input Board; 8 Opto-isolated (4N25) digital input channels (80 mA maximum input current, 1500 VDC maximum input voltage, Threshold voltage: 1.5 volts adjustable, Threshold current: 1 mA adjustable); LED indicators to monitor input logic status; Input buffered with voltage comparators; Adjustable threshold level	269
124	DOP16	Opto-isolated Digital Input Board; 16 Opto-isolated (4N25) digital input channels (80 mA maximum input current, 1500 VDC maximum input voltage, Threshold voltage: 1.5 volts adjustable, Threshold current: 1 mA adjustable); LED indicators to monitor input logic status; Input buffered with voltage comparators; Adjustable threshold level	325
125	DOP24	Opto-isolated Digital Input Board; 24 Opto-isolated (4N25) digital input channels (80 mA maximum input current, 1500 VDC maximum input voltage, Threshold voltage: 1.5 volts adjustable, Threshold current: 1 mA adjustable); LED indicators to monitor input logic status; Input buffered with voltage comparators; Adjustable threshold level	379
126	ECAN1000HR	PC/104 CAN Bus Interface Module; -40° to +85°C Operation; SJA1000 CAN-network controller, Electrically compatible with the PCA82C200 stand-alone CAN controller chip; 1 Mb/s maximum data rate (software programmable); Full CAN-functionality 2.0 B; 24V CAN Compatible; Extended receive buffer (64 byte FIFO); 16 MHz clock frequency; Galvanically isolated physical interfaces; I/O mapped host interface using two addresses	345
127	ECAN527DHR	PC/104 Dual CAN Bus Interface Modules; -40° to +85°C Operation; 1 MB/s data transfer rate; Full CAN functionality; Intel-compatible Bosch 82527 CAN controller; Memory Mapped; Twisted-pair CAN bus, Galvanically isolated, 750Vac-rms isolation; Protected CAN bus transceiver; 24V CAN Compatible; 8-bit bi-directional I/O port; Two status LED 's	395
128	ECAN527HR-1	PC/104 CAN Bus Interface Modules; -40° to +85°C Operation; 1 MB/s data transfer rate; Full CAN functionality; Intel-compatible Bosch 82527 CAN controller; Memory Mapped; Twisted-pair CAN bus, Galvanically isolated, 750Vac-rms isolation; Protected CAN bus transceiver; 24V CAN Compatible; 8-bit bi-directional I/O port; Two status LED 's	325
129	ECAN527HR-2	PC/104 CAN Bus Interface Modules; -40° to +85°C Operation; 1 MB/s data transfer rate; Full CAN functionality; Intel-compatible Bosch 82527 CAN controller; Memory Mapped; Twisted-pair CAN bus, Galvanically isolated, 750Vac-rms isolation; Fiber-optic CAN bus ; Protected CAN bus transceiver; 24V CAN Compatible; 8-bit bi-directional I/O port; Two status LED 's	345
130	ERES104ER-1	PC/104 2-Channel Embedded Synchro/Resolver/Inductosyn/LVDT to Digital Peripheral Module; 0° to +70°C Operation; Connection to 11.8V Synchros; Programmable sine wave excitation 400 to 1600Hz Custom Factory excitation up to 10KHz; Programmable resolution 10/12/14/16 - bits; Bandwidth up to 1200Hz; Tracking speed up to 2300 RPS; Loss-of signal or reference monitor with LED indicator; 16-bit I/O-mapped device	1245



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
131	ERES104ER-2	PC/104 2-Channel Embedded Synchro/Resolver/Inductosyn/LVDT to Digital Peripheral Module; 0° to +70°C Operation; Connection to 90V Synchros; Programmable sine wave excitation 400 to 1600Hz Custom Factory excitation up to 10KHz; Programmable resolution 10/12/14/16 - bits; Bandwidth up to 1200Hz; Tracking speed up to 2300 RPS; Loss-of signal or reference monitor with LED indicator; 16-bit I/O-mapped device	1245
132	ERES104ER-3	PC/104 2-Channel Embedded Synchro/Resolver/Inductosyn/LVDT to Digital Peripheral Module; 0° to +70°C Operation; Connection to 2V Synchros; Programmable sine wave excitation 400 to 1600Hz Custom Factory excitation up to 10KHz; Programmable resolution 10/12/14/16 - bits; Bandwidth up to 1200Hz; Tracking speed up to 2300 RPS; Loss-of signal or reference monitor with LED indicator; 16-bit I/O-mapped device	1245
133	ESC629ER	PC/104 2-Channel DC Servo Motor Controller Peripheral Module; 0° to +70°C Operation; Position, velocity and acceleration using dedicated motor control chipset; Two full bridges for direct motor connection; 60V, 10A onboard MOSFET H-bridges; Incremental Encoder inputs with 5V range; Onboard +12V@0.5A supply for external devices; Output control port to external power stage; 24 TTL I/O, 8255 based	692
134	FPGA6800HR	PC/104 User Application Specific FPGA dataModule®; FPGA designed by user or custom designed by RTD; -40° to +85°C Operation; Xilinx Spartan II XC2S200 FPGA with onboard configuration flash ( 200,000 system gates, 57,344 bits of SRAM (fourteen 4096 bit blocks), TTL compatible 3.3 Volt outputs, 5 Volt Tolerant Inputs, Dedicated Clock inputs, Programmable Configuration Flash, Program through JTAG; 99 Digital I/O or 72 Digital I/O with individual grounds; Three identical connectors with three configurations each (24 I/O with grounds plus 1 jumper selectable I/O or ground, 20 I/O with grounds and 8 I/O without grounds plus 1 jumper selectable I/O or ground, 16 I/O with grounds and 16 I/O without grounds plus 1 jumper selectable I/O or ground); All I/O is ESD protected; 50 MHz oscillator connected to Spartan II clock input, 8-pin DIP socket for user installed oscillator connected to Spartan II clock input, Two 128Kbytes x 8 Fast SRAM (can be used as 256 K x 8 or 128K x 16), One 8254 counter/timer (three 16-bit counter/timers), 20 user defined jumpers, Tri-color LED; -24mA / +24mA (source / sink) on all I/O's; Pull-up/pull-down resistors on each I/O programmable in FPGA	495
135	GPS16160HR	PC/104 GPS 12 Satellite Receiver Peripheral Module; -40° to +85°C Operation; Fastrax iTrax03-02 GPS engine; L1 frequency, C/A code (SPS), 12-channel satellite tracking, Position accuracy: 1m (CEP50), 1.2m (CEP95), Velocity accuracy of 0.1m/s, Time accuracy of 20 ns RMS, 1Hz update rate (configurable up to 3Hz), Tracking sensitivity down to -156 dBm, Choice of GPS message formats; (SBAS) Satellite-Based Augmentation System: ((WAAS) Wide-Area Augmentation, (EGNOS) European Geo-Stationary Navigation System, (MSAS) MTSAT Satellite-Based Augmentation System); Supports active (+3.3V or +5V) and passive antennas; OSX/MCX antenna jack; IRQ Jumper for 1 PPS; 16 bit-programmable Digital I/O; GPS Utility Connector: 1 PPS, 3 User Interface Status	495



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
136	GPS6185HR	PC/104 GPS Satellite Receiver Carrier Module for NOVATEL low power OEMV-2 receiver; -40° to +85°C Operation; Marker Inputs available for precision time stamping (Time stamp or position stamp on event inputs); 1 PPS available externally; High speed serial communications: (CPU communication to the GPS COM 1 at 230,400 baud, GPS COM2 can go to CPU or an external RS-232/422/485 connector, GPS USB external connector capable of 5 Mbps, All three communication ports can receive any or all GPS messages	498
137	HPWR104HR-75W	PC/104 75 Watt Embedded Power Supply Module; -40° to +85°C Operation; Input Voltage Range: 8-30 Vdc input (36 Volt maximum), Reverse polarity input protection to 40 Volts, Voltage transient input protection; Outputs: +5 Vdc at 15.0 A, +12 Vdc at 2.0 A, (3A max), -12 Vdc at 500 mA, (1A max), -5 Vdc at 100 mA on PC/104 Bus; Remote ON/OFF operation available	395
138	HPWR104plusHR	PC/104-Plus 83 Watt Embedded Power Supply Module; -40° to +85°C Operation; All supplies are Synchronized to reduce noise and system stress; Input Voltage Range: 8-32 Vdc Unregulated DC input (36V absolute maximum); Reverse Polarity Protection to 40 Volts, Input Voltage Transient Protection; Outputs: +5 Vdc at 10.0 A, +3.3 Vdc at 10.0 A, +12 Vdc at 2.0 A, -12 Vdc at 500 mA, -5 Vdc at 100 mA on PC/104 bus, All outputs are overload and short circuit protected; Status LED's; Remote ON/OFF operation available	595
139	IDAN-AC/DC PS	IDAN Enclosure AC to DC Power Converter; Input: Standard three prong power connector 110-240 VAC 1.5A @ 50-60 Hz; Output: 2-pin quick release connector +24 VDC 2.5A	146
140	IDAN-AIM6020HRS	IDAN PlatformBus Analog I/O dataModule®; Contains AIM6020HRPlatformBus Analog I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; Maintains the PC/104 bus self-stacking concept; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	795
141	IDAN-APWR104HR-30WD	IDAN PC/104 Power Supply module; Contains APWR104HR-30W Avionics Power Supply Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2195
142	IDAN-APWR104HR-50WD	IDAN PC/104 Power Supply module; Contains APWR104HR-50W Avionics Power Supply Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2795
143	IDAN-APWR106HR-50WD	IDAN PC/104 Power Supply module; Contains APWR106HR-50W Avionics Power Supply Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2795
144	IDAN-ATX104HR-XS	IDAN PCI/104-Express Power Supply module; Contains ATX104HR-Express Power Supply Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	995
145	IDAN-ATX104plusHRTX-88WS	IDAN PC/104-Plus Power Supply module; Contains ATX104plusHR Power Supply Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	995
146	IDAN-Base-BF	IDAN Enclosure Base plate - with side mounting flange; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	145



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
147	IDAN-Base-BH	IDAN Enclosure Base plate - with handles; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	145
148	IDAN-Base-BP	IDAN Enclosure Base plate - plain; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	145
149	IDAN-Base-FF	IDAN Enclosure Base plate - with end mounting flange; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	145
150	IDAN-Base-SM	IDAN Enclosure Shock Mount Isolation Base Plate; All attitude isolators; Meets crash safety requirements of MIL-E-5400 (30g 11 millisecond half-sine pulse shock); Meets MIL-E-5400 requirements for resistance to ozone, humidity, salt spray, and fungus; Meets MIL-S-901 lightweight Grade B Navy high impact shock test requirements; Isolates under sustained loadings of up to 5 g's; Provides efficient vibration isolation at frequencies above 40 hertz; Natural Frequency: 15 - 40 Hertz; Transmissibility at Resonance: 4.0 Max; Resilient Element Hi-Damp Silicone; Operating temperature range -55°C to 150°C	495
151	IDAN-Bolts-BB	IDAN Enclosure BOLTS-xxx; Custom Manufactured Bolt lengths; Stainless Steel M5x0.8 threaded Rod with Stainless Steel Cap Nut	45
152	IDAN-CM17109ER-1S	IDAN PC/104-Plus CardBus Controller Module; Contains CM17109-1 CardBus Controller Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	695
153	IDAN-CM17208HRS	IDAN PC/104-Plus FireWire™ Module; Contains CM17109-1 FireWire™ Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	595
154	IDAN-CM17215HRS	IDAN PC/104-Plus Dual Fiber Fast Ethernet Interface Module; Contains CM17215HR Dual Fiber Fast Ethernet Interface Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	795
155	IDAN-CM17320HRS	IDAN PC/104-Plus Octal Serial Port Module; Contains CM17320HR Octal Serial Port Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	895
156	IDAN-CM17407HRS	IDAN PC/104-Plus USB 2.0 Five Port Network Peripheral Module; Contains CM17407HR USB 2.0 Five Port Network Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	445
157	IDAN-CM18109ER-1S	IDAN PCI-104 CardBus Controller Module; Contains CM18109ER-1 CardBus Controller Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	695
158	IDAN-CM18208HRS	IDAN PCI-104 FireWire™ Module; Contains CM18208HR FireWire™ Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	595
159	IDAN-CM18215HRS	IDAN PCI-104 Dual Fiber Fast Ethernet Interface Module; Contains CM18215HR Dual Fiber Fast Ethernet Interface Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	795



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
160	IDAN-CM18320HRS Total	IDAN PCI-104 Octal Serial Port Module; Contains CM18320HR Octal Serial Port Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	895
161	IDAN-CM18407HRS	IDAN PCI-104 USB 2.0 Five Port Network Peripheral Module; Contains CM18407HR USB 2.0 Five Port Network Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	445
162	IDAN-CM202ERS	IDAN PC/104 NE2000 Ethernet Peripheral Module; Contains CM202ER NE2000 Ethernet Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	595
163	IDAN-CM310HRS	IDAN PC/104 Quad Serial Port Peripheral Module; Contains CM310HR Quad Serial Port Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	598
164	IDAN-CM312ERS	IDAN PC/104 NE2000 Ethernet with Quad Serial Port Peripheral Module; Contains CM312ER NE2000 Ethernet Module with Quad Serial Port Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	798
165	IDAN-CM316HRS	IDAN PC/104 Dual Synchronous Serial Port Peripheral Module; Contains CM316HR Dual Synchronous Serial Port Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	695
166	IDAN-CMA157886CX1000HR-256D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CMA157886CX1000HR-256 HiRel cpuModule with 1.0 GHz Intel Celeron M processor and 256 MB SDRAM and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2895
167	IDAN-CMA157886CX1000HR-512D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CMA157886CX1000HR-512 HiRel cpuModule with 1.0 GHz Intel Celeron M processor and 512 MB SDRAM and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3295
168	IDAN-CMA157886PX1400HR-256D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CMA157886PX1400HR-256 HiRel cpuModule with 1.4 GHz Intel Pentium M processor and 256 MB SDRAM and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3395



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
169	IDAN-CMA157886PX1400HR-512D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CMA157886PX1400HR-512 HiRel cpuModule with 1.0 GHz Intel Pentium M processor and 512 MB SDRAM and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3795
170	IDAN-CMA22MCS1200HR-1024	IDAN PCI/104-Express HiRel cpuModule™ & Controller; Contains a CMA22MCS1200HR-1024 HiRel cpuModule with 1.2 GHz Intel Core™ 2 Celeron processor and 1 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3595
171	IDAN-CMA22MCS1200HR-2048	IDAN PCI/104-Express HiRel cpuModule™ & Controller; Contains a CMA22MCS1200HR-2048 HiRel cpuModule with 1.2 GHz Intel Core™ 2 Celeron processor and 2 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3995
172	IDAN-CMA22MVD1200HR-1024	IDAN PCI/104-Express HiRel cpuModule™ & Controller; Contains a CMA22MVD1200HR-1024 HiRel cpuModule with 1.2 GHz Intel Core™ 2 Duo processor and 1 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3895
173	IDAN-CMA22MVD1200HR-2048	IDAN PCI/104-Express HiRel cpuModule™ & Controller; Contains a CMA22MVD1200HR-2048 HiRel cpuModule with 1.2 GHz Intel Core™ 2 Duo processor and 2 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	4295
174	IDAN-CMA22MVD1860HR-1024	IDAN PCI/104-Express HiRel cpuModule™ & Controller; Contains a CMA22MVD1860HR-1024 HiRel cpuModule with 1.86 GHz Intel Core™ 2 Duo processor and 1 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +70°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3995



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
175	IDAN-CMA22MVD1860HR-2048	IDAN PCI/104-Express HiRel cpuModule™ & Controller; Contains a CMA22MVD1860HR-2048 HiRel cpuModule with 1.86 GHz Intel Core™ 2 Duo processor and 2 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +70°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	4395
176	IDAN-CMX32MCS1200HR-1024	IDAN PCIe/104 HiRel cpuModule™ & Controller; Contains a CMX32MCS1200HR-1024 HiRel cpuModule with 1.2 GHz Intel Core™ 2 Celeron processor and 1 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3495
177	IDAN-CMX32MCS1200HR-2048	IDAN PCIe/104 HiRel cpuModule™ & Controller; Contains a CMX32MCS1200HR-2048 HiRel cpuModule with 1.2 GHz Intel Core™ 2 Celeron processor and 2 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3895
178	IDAN-CMX32MVD1200HR-1024	IDAN PCIe/104 HiRel cpuModule™ & Controller; Contains a CMX32MVD1200HR-1024 HiRel cpuModule with 1.2 GHz Intel Core™ 2 Duo processor and 1 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3795
179	IDAN-CMX32MVD1200HR-2048	IDAN PCIe/104 HiRel cpuModule™ & Controller; Contains a CMX32MVD1200HR-2048 HiRel cpuModule with 1.2 GHz Intel Core™ 2 Duo processor and 2 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	4195
180	IDAN-CMX32MVD1860HR-1024	IDAN PCIe/104 HiRel cpuModule™ & Controller; Contains a CMX32MVD1860HR-1024 HiRel cpuModule with 1.86 GHz Intel Core™ 2 Duo processor and 1 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +70°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3895



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
181	IDAN-CMX32MVD1860HR-2048	IDAN PCIe/104 HiRel cpuModule™ & Controller; Contains a CMX32MVD1860HR-2048 HiRel cpuModule with 1.86 GHz Intel Core™ 2 Duo processor and 2 GB surface mount memory and a SATA34106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +70°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	4295
182	IDAN-CME136686LX333HR-128D	IDAN PC/104 HiRel cpuModule™ & Controller; Contains a CME136686LX333HR-128D HiRel cpuModule with a 333 MHz AMD Ultra Low Power Geode™ LX800 processor and 128 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1895
183	IDAN-CME136686LX333HR-256D	IDAN PC/104 HiRel cpuModule™ & Controller; Contains a CME136686LX333HR-128D HiRel cpuModule with a 333 MHz AMD Ultra Low Power Geode™ LX800 processor and 256 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1995
184	IDAN-CME136686LX333HR-512D	IDAN PC/104 HiRel cpuModule™ & Controller; Contains a CME136686LX333HR-128D HiRel cpuModule with a 333 MHz AMD Ultra Low Power Geode™ LX800 processor and 512 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2395
185	IDAN-CME136686LX500HR-128D	IDAN PC/104 HiRel cpuModule™ & Controller; Contains a CME136686LX500HR-128D HiRel cpuModule with a 500 MHz AMD Ultra Low Power Geode™ LX800 processor and 128 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1995
186	IDAN-CME136686LX500HR-256D	IDAN PC/104 HiRel cpuModule™ & Controller; Contains a CME136686LX500HR-128D HiRel cpuModule with a 500 MHz AMD Ultra Low Power Geode™ LX800 processor and 256 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2095



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
187	IDAN-CME136686LX500HR-512D	IDAN PC/104 HiRel cpuModule™ & Controller; Contains a CME136686LX500HR-128D HiRel cpuModule with a 500 MHz AMD Ultra Low Power Geode™ LX800 processor and 512 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2495
188	IDAN-CME137686LX333HR-128D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CME137686LX333HR-128D HiRel cpuModule with a 333 MHz AMD Ultra Low Power Geode™ LX800 processor and 128 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1895
189	IDAN-CME137686LX333HR-256D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CME137686LX333HR-128D HiRel cpuModule with a 333 MHz AMD Ultra Low Power Geode™ LX800 processor and 256 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1995
190	IDAN-CME137686LX333HR-512D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CME137686LX333HR-128D HiRel cpuModule with a 333 MHz AMD Ultra Low Power Geode™ LX800 processor and 512 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2395
191	IDAN-CME137686LX500HR-128D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CME137686LX500HR-128D HiRel cpuModule with a 500 MHz AMD Ultra Low Power Geode™ LX800 processor and 128 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1995
192	IDAN-CME137686LX500HR-256D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CME137686LX500HR-128D HiRel cpuModule with a 500 MHz AMD Ultra Low Power Geode™ LX800 processor and 256 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2095



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
193	IDAN-CME137686LX500HR-512D	IDAN PC/104-Plus HiRel cpuModule™ & Controller; Contains a CME137686LX500HR-128D HiRel cpuModule with a 500 MHz AMD Ultra Low Power Geode™ LX800 processor and 512 MB surface mount memory and a CMT36106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2495
194	IDAN-CMT6118HRS	IDAN PC/104 Single-slot CompactFlash® Controller with External IDE connector and Floppy Controller utilityModule™; Contains CMT6118HR Single-slot CompactFlash® Controller with External IDE connector and Floppy Controller utilityModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	445
195	IDAN-CMX158886CX1000HR-1024D	IDAN PCI-104 HiRel cpuModule™ & Controller; Contains a CMX158886CX1000HR-1024 HiRel cpuModule with 1.0 GHz Intel Celeron M processor and 1 GB SDRAM and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3295
196	IDAN-CMX158886CX1000HR-512D	IDAN PCI-104 HiRel cpuModule™ & Controller; Contains a CMX158886CX1000HR-512 HiRel cpuModule with 1.0 GHz Intel Celeron M processor and 512 MB SDRAM and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2895
197	IDAN-CMX158886CX1000HR-BRG-1024T	IDAN PCI-104-BRG HiRel cpuModule™ & Controller; Contains a CMX158886CX1000HR-BRG-1024 HiRel cpuModule with 1.0 GHz Intel Celeron M processor and 1 GB SDRAM and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; PC/104-Plus PCI Expansion Bus; PC/104 ISA Expansion Bus; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3395
198	IDAN-CMX158886CX1000HR-BRG-512T	IDAN PCI-104-BRG HiRel cpuModule™ & Controller; Contains a CMX158886CX1000HR-BRG-512 HiRel cpuModule with 1.0 GHz Intel Celeron M processor and 512 MB SDRAM and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; PC/104-Plus PCI Expansion Bus; PC/104 ISA Expansion Bus; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2995



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
199	IDAN-CMX158886CX1000HR-BRG-E512T	IDAN PCI-104-BRG HiRel cpuModule™ & Controller; Contains a CMX158886CX1000HR-BRG-E512 HiRel cpuModule with 1.0 GHz Intel Celeron M processor and 512 MB SDRAM with ECC (Error-Correction Codes) and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; PC/104-Plus PCI Expansion Bus; PC/104 ISA Expansion Bus; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3095
200	IDAN-CMX158886CX1000HR-E512D	IDAN PCI-104 HiRel cpuModule™ & Controller; Contains a CMX158886CX1000HR-512 HiRel cpuModule with 1.0 GHz Intel Celeron M processor and 512 MB SDRAM with ECC (Error-Correction Codes) and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2995
201	IDAN-CMX158886PX1400HR-1024D	IDAN PCI-104 HiRel cpuModule™ & Controller; Contains a CMX158886PX1400HR-1024 HiRel cpuModule with 1.4 GHz Intel Pentium M processor and 1 GB SDRAM and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3795
202	IDAN-CMX158886PX1400HR-512D	IDAN PCI-104 HiRel cpuModule™ & Controller; Contains a CMX158886PX1400HR-512 HiRel cpuModule with 1.4 GHz Intel Pentium M processor and 512 MB SDRAM and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3395
203	IDAN-CMX158886PX1400HR-BRG-1024T	IDAN PCI-104-BRG HiRel cpuModule™ & Controller; Contains a CMX158886PX1400HR-BRG-1024 HiRel cpuModule with 1.4 GHz Intel Pentium M processor and 1 GB SDRAM and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; PC/104-Plus PCI Expansion Bus; PC/104 ISA Expansion Bus; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3895



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
204	IDAN-CMX158886PX1400HR-BRG-512T	IDAN PCI-104-BRG HiRel cpuModule™ & Controller; Contains a CMX158886PX1400HR-BRG-512 HiRel cpuModule with 1.4 GHz Intel Pentium M processor and 512 MB SDRAM and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; PC/104-Plus PCI Expansion Bus; PC/104 ISA Expansion Bus; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3495
205	IDAN-CMX158886PX1400HR-BRG-E512T	IDAN PCI-104-BRG HiRel cpuModule™ & Controller; Contains a CMX158886PX1400HR-BRG-E512 HiRel cpuModule with 1.4 GHz Intel Pentium M processor and 512 MB SDRAM with ECC (Error-Correction Codes) and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; PC/104-Plus PCI Expansion Bus; PC/104 ISA Expansion Bus; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3595
206	IDAN-CMX158886PX1400HR-E512D	IDAN PCI-104 HiRel cpuModule™ & Controller; Contains a CMX158886PX1400HR-512 HiRel cpuModule with 1.4 GHz Intel Pentium M processor and 512 MB SDRAM with ECC (Error-Correction Codes) and a CMT56106HR Peripheral Module (Flash or Rotating Hard Drive installation options available) wired in an IDAN building block frame for quick interchangeability of modules; Advanced passive thermal management technology; -40° to +85°C Operation (Hard Drive may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	3495
207	IDAN-COM16055ERS	IDAN PC/104 GSM/GPRS Modem and GPS Receiver Peripheral Module; Contains COM16055ER GSM/GPRS Modem and GPS Receiver Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Restricted Operation -40° to +70°C; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1095
208	IDAN-COM16055RERS	IDAN PC/104 GSM/GPRS Modem and GPS Receiver Peripheral Module for the GSM-Rail System; Contains COM16055RER GSM/GPRS Modem and GPS Receiver Peripheral Module for the GSM-Rail System wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Restricted Operation -40° to +70°C; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1795
209	IDAN-COM17075ERS	IDAN PC/104 GSM/GPRS/EDGE Modem and GPS Receiver Peripheral Module; Contains COM17075ER GSM/GPRS/EDGE Modem and GPS Receiver Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -30° to +70°C Operation, Auto switch-off at +75°C; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1195
210	IDAN-Cover-TH	IDAN Enclosure Cover with handles; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	165
211	IDAN-Cover-TP	IDAN Enclosure Cover; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	165



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
212	IDAN-DM6210HR-62S	IDAN PC/104 Analog In and Digital I/O dataModule®; Contains DM6210HR Analog In and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	595
213	IDAN-DM6210HR-68S	IDAN PC/104 Analog In and Digital I/O dataModule®; Contains DM6210HR Analog In and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	595
214	IDAN-DM6420HR-1-62S	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6420HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	895
215	IDAN-DM6420HR-1-68S	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6420HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	895
216	IDAN-DM6420HR-8-62S	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6420HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	1045
217	IDAN-DM6420HR-8-68S	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6420HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	1045
218	IDAN-DM6425HR-1-62D	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6425HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	1045
219	IDAN-DM6425HR-1-68D	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6425HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	1045
220	IDAN-DM6425HR-8-62D	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6425HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	1195
221	IDAN-DM6425HR-8-68D	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6425HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	1195



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
222	IDAN-DM6430HR-1-62S	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6430HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	895
223	IDAN-DM6430HR-1-68S	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6430HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	895
224	IDAN-DM6430HR-8-62S	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6430HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	1045
225	IDAN-DM6430HR-8-68S	IDAN PC/104 Analog and Digital I/O dataModule®; Contains DM6430HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	1045
226	IDAN-DM6604HR-62S	IDAN PC/104 Analog Output and Digital I/O dataModule®; Contains DM6604HR Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	695
227	IDAN-DM6604HR-68S	IDAN PC/104 Analog Output and Digital I/O dataModule®; Contains DM6604HR Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	695
228	IDAN-DM6620HR-1-62S	IDAN PC/104 Analog Output and Digital I/O dataModule®; Contains DM6620HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	895
229	IDAN-DM6620HR-1-68S	IDAN PC/104 Analog Output and Digital I/O dataModule®; Contains DM6620HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	895
230	IDAN-DM6620HR-8-62S	IDAN PC/104 Analog Output and Digital I/O dataModule®; Contains DM6620HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	995
231	IDAN-DM6620HR-8-68S	IDAN PC/104 Analog Output and Digital I/O dataModule®; Contains DM6620HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	995



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
232	IDAN-DM6806HR-62S	IDAN PC/104 opto-22 Compatible Digital I/O dataModules®; Contains DM6806HR opto-22 Compatible Digital I/O dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	355
233	IDAN-DM6806HR-68S	IDAN PC/104 opto-22 Compatible Digital I/O dataModules®; Contains DM6806HR opto-22 Compatible Digital I/O dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	355
234	IDAN-DM6810HR-62D	IDAN PC/104 opto-22 Compatible Digital I/O dataModules®; Contains DM6810HR opto-22 Compatible Digital I/O dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	495
235	IDAN-DM6810HR-68D	IDAN PC/104 opto-22 Compatible Digital I/O dataModules®; Contains DM6810HR opto-22 Compatible Digital I/O dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	495
236	IDAN-DM6812HR-62D	IDAN PC/104 opto-22 Compatible Digital I/O dataModules®; Contains DM6812HR opto-22 Compatible Digital I/O dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	495
237	IDAN-DM6812HR-68D	IDAN PC/104 opto-22 Compatible Digital I/O dataModules®; Contains DM6812HR opto-22 Compatible Digital I/O dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	495
238	IDAN-DM6814HR-62D	IDAN PC/104 Quadrature Encoder Input dataModules®; Contains DM6814HR opto-22 Compatible Digital I/O dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	495
239	IDAN-DM6814HR-68D	IDAN PC/104 Quadrature Encoder Input dataModules®; Contains DM6814HR opto-22 Compatible Digital I/O dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	495
240	IDAN-DM6816HR-62S	IDAN PC/104 PWM Output dataModules®; Contains DM6816HR PWM Output dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	495
241	IDAN-DM6816HR-68S	IDAN PC/104 PWM Output dataModules®; Contains DM6816HR PWM Output dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	495



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
242	IDAN-DM6852HRD	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6852HR Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	675
243	IDAN-DM6854HRD	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6854HR Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	639
244	IDAN-DM6856HR-12V-62D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6856HR-12V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	645
245	IDAN-DM6856HR-12V-68D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6856HR-12V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	645
246	IDAN-DM6856HR-24V-62D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6856HR-24V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	645
247	IDAN-DM6856HR-24V-68D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6856HR-24V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	645
248	IDAN-DM6856HR-5V-62D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6856HR-5V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	545
249	IDAN-DM6856HR-5V-68D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6856HR-5V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	545
250	IDAN-DM6858HR-12V-62D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6858HR-12V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	645
251	IDAN-DM6858HR-12V-68D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6858HR-12V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	645



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
252	IDAN-DM6858HR-24V-62D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6858HR-24V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	645
253	IDAN-DM6858HR-24V-68D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6858HR-24V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	645
254	IDAN-DM6858HR-5V-62D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6858HR-5V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	545
255	IDAN-DM6858HR-5V-68D	IDAN PC/104 Isolated Digital I/O dataModule®; Contains DM6858HR-5V Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	545
256	IDAN-DM6888HR-12V-62D	IDAN PC/104 64 channel High Density Isolated Digital I/O dataModule®; Contains DM6888HR-12V 64 channel High Density Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	795
257	IDAN-DM6888HR-12V-68D	IDAN PC/104 64 channel High Density Isolated Digital I/O dataModule®; Contains DM6888HR-12V 64 channel High Density Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	795
258	IDAN-DM6888HR-24V-62D	IDAN PC/104 64 channel High Density Isolated Digital I/O dataModule®; Contains DM6888HR-24V 64 channel High Density Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	795
259	IDAN-DM6888HR-24V-68D	IDAN PC/104 64 channel High Density Isolated Digital I/O dataModule®; Contains DM6888HR-24V 64 channel High Density Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	795
260	IDAN-DM6888HR-5V-62D	IDAN PC/104 64 channel High Density Isolated Digital I/O dataModule®; Contains DM6888HR-5V 64 channel High Density Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	795
261	IDAN-DM6888HR-5V-68D	IDAN PC/104 64 channel High Density Isolated Digital I/O dataModule®; Contains DM6888HR-5V 64 channel High Density Isolated Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	795



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
262	IDAN-DM6910HR-68S	IDAN PC/104 48-Bit Programmable Diode Protected Digital I/O dataModule®; Contains DM6910HR 48-Bit Programmable Diode Protected Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	495
263	IDAN-DM6912HR-68S	IDAN PC/104 24-Bit and 24 Port Programmable Diode Protected Digital I/O dataModule®; Contains DM6912HR 24-Bit and 24 Port Programmable Diode Protected Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	495
264	IDAN-DM6914HR-68S	IDAN PC/104 Quadrature Encoder Input dataModule®; Contains DM6914HR Quadrature Encoder Input dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	495
265	IDAN-DM6916HR-68S	IDAN PC/104 Nine Channel PWM Output dataModules®; Contains DM6916HR Nine Channel PWM Output dataModules® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	495
266	IDAN-DM6952HR-62D	IDAN PC/104 Power Relay dataModule®; Contains DM6952HR Power Relay dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	475
267	IDAN-DM6952HR-68D	IDAN PC/104 Power Relay dataModule®; Contains DM6952HR Power Relay dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	475
268	IDAN-DM6956HR-12V-62D	IDAN PC/104 Power Relay dataModule®; Contains DM6956HR-12V Power Relay dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	777
269	IDAN-DM6956HR-12V-68D	IDAN PC/104 Power Relay dataModule®; Contains DM6956HR-12V Power Relay dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	777
270	IDAN-DM6956HR-24V-62D	IDAN PC/104 Power Relay dataModule®; Contains DM6956HR-24V Power Relay dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	777
271	IDAN-DM6956HR-24V-68D	IDAN PC/104 Power Relay dataModule®; Contains DM6956HR-24V Power Relay dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	777
272	IDAN-DM6956HR-5V-62D	IDAN PC/104 Power Relay dataModule®; Contains DM6956HR-5V Power Relay dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 62 pin high density "D" Connector	677



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
273	IDAN-DM6956HR-5V-68D	IDAN PC/104 Power Relay dataModule®; Contains DM6956HR-5V Power Relay dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	677
274	IDAN-DM7520HR-1-68S	IDAN PC/104-Plus Analog and Digital I/O dataModule®; Contains DM7520HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	1095
275	IDAN-DM7520HR-8-68S	IDAN PC/104-Plus Analog and Digital I/O dataModule®; Contains DM7520HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	1245
276	IDAN-DM7820HR-68S	IDAN PC/104-Plus High Speed Digital I/O dataModule®; Contains DM7820HR High Speed Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; Two 68 pin subminiature "D" Connector	745
277	IDAN-DM8520HR-1-68S	IDAN PCI-104 Analog and Digital I/O dataModule®; Contains DM8520HR-1 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connector	1095
278	IDAN-DM8520HR-8-68S	IDAN PCI-104 Analog and Digital I/O dataModule®; Contains DM8520HR-8 Analog and Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1245
279	IDAN-DM8820HR-68S	IDAN PCI-104 High Speed Digital I/O dataModule®; Contains DM8820HR High Speed Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; Two 68 pin subminiature "D" Connector	745
280	IDAN-DM9820HR-62D	IDAN PCI/104-Express High Speed Digital I/O dataModule®; Contains DM9820HR High Speed Digital I/O dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	845
281	IDAN-ECAN1000HRS	IDAN PC/104 CAN Bus Interface Module; Contains ECAN1000HR CAN Bus Interface Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	445
282	IDAN-ECAN527DHRS	IDAN PC/104 Dual CAN Bus Interface Modules; Contains ECAN527DHR Dual CAN Bus Interface Modules wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	495
283	IDAN-ERES104ER-1S	IDAN PC/104 2-Channel Embedded Synchro/Resolver/Inductosyn/LVDT to Digital Peripheral Module; Contains ERES104ER-1 2-Channel Embedded Synchro/Resolver/Inductosyn/LVDT to Digital Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1345



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
284	IDAN-ERES104ER-2S	IDAN PC/104 2-Channel Embedded Synchro/Resolver/Inductosyn/LVDT to Digital Peripheral Module; Contains ERES104ER-2 2-Channel Embedded Synchro/Resolver/Inductosyn/LVDT to Digital Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1345
285	IDAN-ERES104ER-3S	IDAN PC/104 2-Channel Embedded Synchro/Resolver/Inductosyn/LVDT to Digital Peripheral Module; Contains ERES104ER-3 2-Channel Embedded Synchro/Resolver/Inductosyn/LVDT to Digital Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1345
286	IDAN-ESC629HR-62D	IDAN PC/104 2-Channel DC Servo Motor Controller Peripheral Module; Contains ESC629HR 2-Channel DC Servo Motor Controller Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	992
287	IDAN-FPGA6800HR-62D	IDAN PC/104 User Application Specific FPGA dataModule®; Contains FPGA6800 User Application Specific FPGA dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; Two 62 pin high density "D" Connectors	645
288	IDAN-FPGA6800HR-68D	IDAN PC/104 User Application Specific FPGA dataModule®; Contains FPGA6800 User Application Specific FPGA dataModule® wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate; 68 pin subminiature "D" Connectors	645
289	IDAN-GPS16160HRS	IDAN PC/104 GPS 12 Satellite Receiver Peripheral Module; Contains GPS16160HR GPS 12 Satellite Receiver Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	645
290	IDAN-GPS6185HRS	IDAN PC/104 GPS Satellite Receiver Carrier Module for NOVATEL low power OEMV-2 receiver; Contains GPS6185HR GPS Satellite Receiver Carrier Module for NOVATEL low power OEMV-2 receiver wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	648
291	IDAN-HPWR104HRTX-75WS	IDAN PC/104 75 Watt Embedded Power Supply Module; Contains HPWR104HRTX-75W 75 Watt Embedded Power Supply Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	595
292	IDAN-HPWR104plusHRTX-83WS	IDAN PC/104-Plus 83 Watt Embedded Power Supply Module; Contains HPWR104plusHRTX-88W 88 Watt Embedded Power Supply Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	895
293	IDAN-IPWR104HR-H100WD	IDAN PC/104 100W Isolated Embedded Power Supply Peripheral Module; Contains IPWR104HR-H100W 100 Watt Isolated Embedded Power Supply Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	795



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
294	IDAN-IPWR104HR-L100WD	IDAN PC/104 100W Isolated Embedded Power Supply Peripheral Module; Contains IPWR104HR-L100W 100 Watt Isolated Embedded Power Supply Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	795
295	IDAN-IPWR104HR-L50WD	IDAN PC/104 50W Isolated Embedded Power Supply Peripheral Module; Contains IPWR104HR-L50W 50 Watt Isolated Embedded Power Supply Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	745
296	IDAN-ISC629HR-62D	IDAN PC/104 Isolated 2-Channel DC Servo Motor Controller Peripheral Module; Contains ISC629HR Isolated 2-Channel DC Servo Motor Controller Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1042
297	IDAN-LAN17222HR	IDAN PC/104-Plus Independent Dual Gigabit Ethernet Peripheral Module; Contains LAN17222HR Independent Dual Gigabit Ethernet Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	645
298	IDAN-LAN18222HR	IDAN PCI-104 Independent Dual Gigabit Ethernet Peripheral Module; Contains LAN18222HR Independent Dual Gigabit Ethernet Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	645
299	IDAN -LAN25222HR	IDAN PCI/104-Express Independent Dual Gigabit Ethernet Peripheral Module; Contains LAN25222HR Independent Dual Gigabit Ethernet Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	645
300	IDAN-LAN25255HR	IDAN PCI/104-Express 5-Port Gigabit Ethernet Switch Module; Contains LAN25255HR 5-Port Gigabit Ethernet Switch Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	645
301	IDAN -LAN35222HR	IDAN PCIe/104 Independent Dual Gigabit Ethernet Peripheral Module; Contains LAN25222HR Independent Dual Gigabit Ethernet Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	595
302	IDAN-LAN35255HR	IDAN PCIe/104 5-Port Gigabit Ethernet Switch Module; Contains LAN25255HR 5-Port Gigabit Ethernet Switch Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	595
303	IDAN-RHD-DRAWER	IDAN Removable Hard Drive Draw for use with 2.5" Rotating or Flash Hard Drives; Flash or Rotating Hard Drive installation options available. Some hard drive options may affect standard operating temperature; Allows quick removal of sensitive data from the system; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	784



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
304	IDAN-RHD-SYS104	IDAN PC/104 Removable Hard Drive Module; Contains Removable Hard Drive draw wired in an IDAN building block frame for quick interchangeability of modules; Allows removal of sensitive data from the system (Flash or Rotating Hard Drive installation options available); Decodes the IDE interface from the EIDE bus; Requires additional EIDE controller: Available with 36/37686LX Geode™ Series cpuModules™, Available with 46/47786HX Celeron® Series cpuModules™; Available with 158886PX Celeron® M & Pentium® M Series cpuModules™; -40° to +85°C Operation (Some hard drive options may affect standard operating temperature); Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1528
305	IDAN-RSATA-DRAWER	IDAN Removable SATA Drive Draw for use with 2.5" Rotating or Flash Hard Drives; Flash or Rotating Hard Drive installation options available. Some hard drive options may affect standard operating temperature; Allows quick removal of sensitive data from the system; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	784
306	IDAN-RSATA-SYS104	IDAN PCIe/104 Removable SATA Drive Module; Contains Removable SATA Drive draw wired in an IDAN building block frame for quick interchangeability of modules; Allows removal of sensitive data from the system (Flash or Rotating Hard Drive installation options available. Some hard drive options may affect standard operating temperature); -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1528
307	IDAN-SATA34106HRS	IDAN PCIe/104 2.5" SATA Hard Drive Interphase Module; Contains SATA34106HR 2.5" SATA Hard Drive Interphase Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	445
308	IDAN-SDM7540HR-1S	IDAN PC/104-Plus Analog and Digital I/O Smart dataModule® with Autonomous SmartCal™; Contains SDM7540HR-1 Analog and Digital I/O Smart dataModule® with Autonomous SmartCal™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1445
309	IDAN-SDM7540HR-8S	IDAN PC/104-Plus Analog and Digital I/O Smart dataModule® with Autonomous SmartCal™; Contains SDM7540HR-8 Analog and Digital I/O Smart dataModule® with Autonomous SmartCal™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1595
310	IDAN-SDM8540HR-1S	IDAN PCI-104 Analog and Digital I/O Smart dataModule® with Autonomous SmartCal™; Contains SDM8540HR-1 Analog and Digital I/O Smart dataModule® with Autonomous SmartCal™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1445
311	IDAN-SDM8540HR-8S	IDAN PCI-104 Analog and Digital I/O Smart dataModule® with Autonomous SmartCal™; Contains SDM8540HR-8 Analog and Digital I/O Smart dataModule® with Autonomous SmartCal™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1595
312	IDAN-Spacer	IDAN Enclosure Stackthrough Spacer Board	49
313	IDAN-SPM176430ER-1000-128S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176430ER-1000-128 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2295



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
314	IDAN-SPM176430ER-1000-256S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176430ER-1000-256 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2495
315	IDAN-SPM176430ER-1000-32S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176430ER-1000-32 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2195
316	IDAN-SPM176430HR-600-128S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176430ER-600-128 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1995
317	IDAN-SPM176430HR-600-256S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176430ER-600-256 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2195
318	IDAN-SPM176430HR-600-32S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176430ER-600-32 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1895
319	IDAN-SPM176431ER-1000-128S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176431ER-1000-128 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2495
320	IDAN-SPM176431ER-1000-256S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176431ER-1000-256 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2695
321	IDAN-SPM176431ER-1000-32S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176431ER-1000-32 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2395
322	IDAN-SPM176431HR-600-128S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176431ER-600-128 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2095
323	IDAN-SPM176431HR-600-256S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176431ER-600-256 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2295
324	IDAN-SPM176431HR-600-32S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM176431ER-600-32 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1995
325	IDAN-SPM186420ER-1000-128S	IDAN PCI-104 Industrial dspModule™; Contains SPM186420ER-1000-128 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2295



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
326	IDAN-SPM186420ER-1000-256S	IDAN PCI-104 Industrial dspModule™; Contains SPM186420ER-1000-256 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2495
327	IDAN-SPM186420ER-1000-32S	IDAN PCI-104 Industrial dspModule™; Contains SPM186420ER-1000-32 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -20° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2195
328	IDAN-SPM186420HR-600-128S	IDAN PCI-104 Industrial dspModule™; Contains SPM186420ER-600-128 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1995
329	IDAN-SPM186420HR-600-256S	IDAN PCI-104 Industrial dspModule™; Contains SPM186420ER-600-256 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	2195
330	IDAN-SPM186420HR-600-32S	IDAN PCI-104 Industrial dspModule™; Contains SPM186420ER-600-32 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1895
331	IDAN-SPM6020HR-233-16S	IDAN PCI-104 Industrial dspModule™; Contains SPM6020-233-16 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1195
332	IDAN-SPM6030HR-233-16S	IDAN PC/104-Plus Industrial dspModule™; Contains SPM6030-233-16 Industrial dspModule™ wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1195
333	IDAN-TBF68	68 Position Screw Terminal Board For use with IDAN-XTMS68 Cable. Easy wiring interface to sensors, sources, and digital circuits.	99
334	IDAN-UPS25-1-HPWRplus-SYS104	IDAN PC/104-Plus NiMH Uninterruptable Power Supply (UPS) Module with removable 1500 mAh NiMH Battery pack; Contains UPS25ER-1 Uninterruptable Power Supply (UPS) Module, the HPWR104plus 83 Watt Embedded Power Supply Module, and a Removable Battery Drawer wired in an IDAN building block frame for quick interchangeability of modules; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1765
335	IDAN-UPS25-1-HPWRplus-SYS104-NR	IDAN PC/104-Plus NiMH Uninterruptable Power Supply (UPS) Module with 1500 mAh NiMH Battery pack; Contains UPS25ER-1 Uninterruptable Power Supply (UPS) Module, the HPWRplus 83 Watt Embedded Power Supply Module, and a Removable Battery Drawer wired in an IDAN building block frame for quick interchangeability of modules; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1665
336	IDAN-UPS25-1-HPWR-SYS104	IDAN PC/104 NiMH Uninterruptable Power Supply (UPS) Module with removable 1500 mAh NiMH Battery pack; Contains UPS25ER-1 Uninterruptable Power Supply (UPS) Module, the HPWR104HR-75 75W Embedded Power Supply Module, and a Removable Battery Drawer wired in an IDAN building block frame for quick interchangeability of modules; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1465



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
337	IDAN-UPS25-2-HPWRplus-SYS104	IDAN PC/104-Plus NiCd Uninterruptable Power Supply (UPS) Module with removable 1500 mAh NiCd Battery pack; Contains UPS25ER-2 Uninterruptable Power Supply (UPS) Module, the HPWRplus 83 Watt Embedded Power Supply Module, and a Removable Battery Drawer wired in an IDAN building block frame for quick interchangeability of modules; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1765
338	IDAN-UPS25-2-HPWRplus-SYS104-NR	IDAN PC/104-Plus NiCd Uninterruptable Power Supply (UPS) Module with 1500 mAh NiCd Battery pack; Contains UPS25ER-2 Uninterruptable Power Supply (UPS) Module, the HPWRplus 83 Watt Embedded Power Supply Module, and a Removable Battery Drawer wired in an IDAN building block frame for quick interchangeability of modules; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1665
339	IDAN-UPS25-2-HPWR-SYS104	IDAN PC/104 NiCd Uninterruptable Power Supply (UPS) Module with removable 1500 mAh NiCd Battery pack; Contains UPS25ER-2 Uninterruptable Power Supply (UPS) Module, the HPWR104HR-75W 75 Watt Embedded Power Supply Module, and a Removable Battery Drawer wired in an IDAN building block frame for quick interchangeability of modules; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1465
340	IDAN-VFG7330ERS	IDAN PC/104-Plus Dual Channel Frame Grabber Peripheral Module; Contains VFG7330ER Dual Channel Frame Grabber Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	1015
341	IDAN-VPWR104HRTX-50WS	IDAN PC/104 50W High Efficiency Synchronous Poly-Phase Power Supply Module; Contains VPWR104HR-50W 50 Watt High Efficiency Synchronous Poly-Phase Power Supply Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	595
342	IDAN-WLAN17202ERS	IDAN PC/104-Plus Wireless LAN Module; Contains WLAN17202ER Wireless LAN Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	695
343	IDAN-WLAN18202ERS	IDAN PCI-104 Wireless LAN Module; Contains WLAN17202ER Wireless LAN Module wired in an IDAN building block frame for quick interchangeability of modules; 0° to +70°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	695
344	IDAN-XKCM17	IDAN Twisted Pair Cable for use with IDAN PC/104 dataModules™; Twisted pair flat cable with 50-pin DIL socket connector to: 62-pin D connector	99
345	IDAN-XKCM18	IDAN Power Cable for use with IDAN Power Modules	49
346	IDAN-XKCM30	IDAN USB Adapter Cable Kit	99
347	IDAN-XKCM33	IDAN Multi Serial Port Cable for use with IDAN-CM17320HRS	79
348	IDAN-XPWR104HRTX-75WS	IDAN PC/104 75W Embedded Power Supply Peripheral Module; Contains XPWR104HR-75W 75W 75 Watt Embedded Power Supply Peripheral Module wired in an IDAN building block frame for quick interchangeability of modules; -40° to +85°C Operation; Milled Aluminum Alloy - 6061, Temper-T6, clear chromate	785
349	IDAN-XTMS-68	Cable for use with IDAN PC/104 dataModules™; Cable with 68-pin subminiature D male connector to: 68-pin subminiature D male connector	129
350	IM25100HR	PCI/104-Express Dual Slot Mini PCI Express Module; -40° to +85°C Operation; Antenna ports for wireless support	495



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
351	IM35100HR	PCIe/104 Dual Slot Mini PCI Express Module; -40° to +85°C Operation; Antenna ports for wireless support	445
352	IPWR104HR-H100W	PC/104 100 Watt Isolated Embedded Power Supply Peripheral Module; -40° to +85°C Operation; Input voltages 33 - 75V; Output Voltages: +5V, +-12V, -5V; Isolation voltage 1500V (2 sec); Remote shutdown; DC/DC converter conforms to UL1950, EN60950, and CSA22.2 #324; Reverse Polarity Protection to -40V(18-36V); Reverse Polarity Protection to -100V(33-75V); Input transient Protection	495
353	IPWR104HR-L100W	PC/104 100 Watt Isolated Embedded Power Supply Peripheral Module; -40° to +85°C Operation; Input voltages 18 - 36V; Output voltages: +5V, +-12V, -5V; Isolation voltage 1500V (2 sec); Remote shutdown; DC/DC converter conforms to UL1950, EN60950, and CSA22.2 #324; Reverse Polarity Protection to -40V(18-36V); Reverse Polarity Protection to -100V(33-75V); Input transient Protection	495
354	IPWR104HR-L50W	PC/104 50 Watt Isolated Embedded Power Supply Peripheral Module; -40° to +85°C Operation; Input voltages 9 - 36V; Output voltages: +5V, +-12V, -5V; Isolation voltage 1500V (2 sec); Remote shutdown; Reverse Polarity Protection to -40V(9-36V); Input transient Protection	445
355	ISC629ER	PC/104 Isolated 2-Channel DC Servo Motor Controller Peripheral Module; 0° to +70° Operation; Single board DC servo motor solution; Two independent motor interfaces; Versatile features include position, velocity and acceleration using dedicated motor control chipset; Two full bridges for direct motor connection; 60V, 10A onboard MOSFET H-bridges; Incremental Encoder inputs with 5V range; Galvanic isolation; Onboard +12V@0.5A supply for external devices; Output control port to external power stage; 24 TTL I/O, 8255 based	742
356	LAN17222HR	PC/104-Plus Independent Dual Gigabit Ethernet Peripheral Module. -40° to +85°C Operation; 1000/100/10 Mbps RJ45 on each channel.	445
357	LAN18222HR	PCI-104 Independent Dual Gigabit Ethernet Peripheral Module. -40° to +85°C Operation; 1000/100/10 Mbps RJ45 on each channel.	445
358	LAN25222HR	PC/104-Express Independent Dual Gigabit Ethernet Peripheral Module. -40° to +85°C Operation; 1000/100/10 Mbps RJ45 on each channel.	445
359	LAN25255HR	PCI/104-Express 5-Port Gigabit Ethernet Switch Module; -40° to +85°C Operation; Four 1000/100/10 Mbps Ethernet Ports plus 1 host port; Ports can be set up either as a managed or unmanaged switch via software; Onboard LEDs with resistor option for external LEDs	445
360	LAN35222HR	PCIe/104 Independent Dual Gigabit Ethernet Peripheral Module. -40° to +85°C Operation. 1000/100/10 Mbps RJ45 on each channel	395
361	LAN35255HR	PCIe/104 5-Port Gigabit Ethernet Switch Module; -40° to +85°C Operation; Four 1000/100/10 Mbps Ethernet Ports plus 1 host port; Ports can be set up either as a managed or unmanaged switch via software; Onboard LEDs with resistor option for external LEDs	395
362	PC/104 STANDOFF KIT	Male-Female PC-104 Board Stacking Spacer	12
363	PCIe Adapter	Desktop PCIe x1 to PCI/104-Express Bus Adapter; Allows use of PCI/104-Express modules in a desktop PCIe x1 bus slot; Includes two boards for connecting top and bottom connectors	129



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
364	PCI-ISA104B	PC/104, PC/104-Plus, PCI-104 Development Platform; Provides a 3V or 5V desktop PCI slot, one desktop ISA slot, PC/104-Plus connection, and all cables (not shown).; ATX Power Supply Connector, Screw terminal outputs for ±12, ±5, & 3.3 Vdc with LED indicators; POST Code Display: ISA POST Codes, PCI POST Codes, Programmable Display; Standard Computer connections with .10" and 2mm connections to integrate RTD's product line of PC/104 and PC/104-Plus modules, PS/2 Mouse and Keyboard, USB, D-SUB Serial port, Parallel port, and VGA; Onboard speaker; Socketed battery for backup of Real Time Clock	795
365	PCI-ISA104D	PC/104, PC/104-Plus, PCI-104 Development Platform; Provides a 3V or 5V desktop PCI slot, one desktop ISA slot, PC/104-Plus connection and all cables (not shown); Platform for PC/104 development including power supply, CD-ROM, Floppy and Hard drive; ATX Power Supply: Auto sensing input supports 100 – 127 VAC and 200 – 240 VAC, Screw terminal outputs for ±12, ±5, & 3.3 Vdc with LED indicators; POST Code Display: ISA POST Codes, PCI POST Codes, Programmable Display; Standard Computer connections with .10" and 2mm connections to integrate RTD's product line of PC/104 and PC/104-Plus modules, PS/2 Mouse and Keyboard, USB, D-SUB Serial port, Parallel port, and VGA; Onboard speaker; Socketed Battery for backup of Real Time Clock	1995
366	RTD003-DATA-SYS	Ruggedized Data Collection System. Contains CME137686LX 333 MHz Geode LX processor cpuModule, Data Collection Module (Uninterruptible Power Supply, Two (2) SD Card Slots, 10/100 Ethernet Port, Two (2) RS-232/422/485, Two (2) RS-232, User Defined FPGA, FPGA Connection ready to allow {RS-232/422, RS-232, GPS, CAN Bus, J1708, Highly Accurate RTC}); and Enclosure with Room for a 3rd party peripheral module (Installation of 3rd party module included), System testing included, Modular rugged milled aluminum frames, Aluminum Alloy - 6061, Temper-T6, Clear Chromate, MIL-Spec Paint	5000
367	SATA34106HR	PCIe/104 2.5" SATA Hard Drive Interphase Module; Operating range: -40 to +85°C; Flash or Rotating Hard Drive installation options available (hard drive dependent); PCIe/104 Type 2- SATA Interface with lane shifting; Can be used in RAID configurations; Transfer rates up to 3.0 Gbits per second; Requires additional SATA controller found on PCIe/104 Type 2 CPU modules such as RTD's CMA22Mxx Series cpuModules™	295



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Line Item #	RTD Part Number	Short Description	Price
368	SDM7540HR-1	PC/104-Plus Analog and Digital I/O Smart dataModules® with Autonomous SmartCal™, -40° to +85°C; Autonomous SmartCal™ - Software Independent Auto-Calibration; DSP performs analog auto-calibration onboard independent of Host CPU; 2K EEPROM to save/restore calibration values; Analog Inputs: 8 differential or 16 single-ended channels, 12-bit, Successive Approximation Register A/D with internal Sample and Hold circuitry, 0.8 μs conversion time (1.25 MHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4, 8, 16, 32 & 64, 1K entry Channel-Gain Scan Memory with Skip Bit; Multichannel Buffered Serial Port (McBSP), 500KHz sine wave generator, DMA; 1K A/D FIFO, 1K D/A FIFO (x2), Bus master transfer; Versatile Triggering: Software, Pacer Clock, Burst Clock, and External Triggers, Pre-, Post-, and About-Trigger Modes, Random scan, burst and multiburst using channel-gain table; Two Analog Outputs: 12-bit resolution, Typical 5μs settling time (+/-10V range), ±5, +5, ±10, & +10V output ranges, 5mA output current; Digital I/O: 3 Data-marker Input Bits, 1K byte digital input buffer, 8 bit-programmable digital I/O lines and an 8-bit programmable port, Advanced digital interrupts -12/+24mA output drive currents; Three 16-bit 8 MHz timer/counters; Programmable Interrupt Source	1195
369	SDM7540HR-8	PC/104-Plus Analog and Digital I/O Smart dataModules® with Autonomous SmartCal™, -40° to +85°C; Autonomous SmartCal™ - Software Independent Auto-Calibration; DSP performs analog auto-calibration onboard independent of Host CPU; 2K EEPROM to save/restore calibration values; Analog Inputs: 8 differential or 16 single-ended channels, 12-bit, Successive Approximation Register A/D with internal Sample and Hold circuitry, 0.8 μs conversion time (1.25 MHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4, 8, 16, 32 & 64, 1K entry Channel-Gain Scan Memory with Skip Bit; Multichannel Buffered Serial Port (McBSP), 500KHz sine wave generator, DMA; 8K A/D FIFO, 8K D/A FIFO (x2), Bus master transfer; Versatile Triggering: Software, Pacer Clock, Burst Clock, and External Triggers, Pre-, Post-, and About-Trigger Modes, Random scan, burst and multiburst using channel-gain table; Two Analog Outputs: 12-bit resolution, Typical 5μs settling time (+/-10V range), ±5, +5, ±10, & +10V output ranges, 5mA output current; Digital I/O: 3 Data-marker Input Bits, 8K byte digital input buffer, 8 bit-programmable digital I/O lines and an 8-bit programmable port, Advanced digital interrupts -12/+24mA output drive currents; Three 16-bit 8 MHz timer/counters; Programmable Interrupt Source	1345



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Line Item #	RTD Part Number	Short Description	Price
370	SDM8540HR-1	PCI-104 Analog and Digital I/O Smart dataModules® with Autonomous SmartCal™, -40° to +85°C; Autonomous SmartCal™ - Software Independent Auto-Calibration; DSP performs analog auto-calibration onboard independent of Host CPU; 2K EEPROM to save/restore calibration values; Analog Inputs: 8 differential or 16 single-ended channels, 12-bit, Successive Approximation Register A/D with internal Sample and Hold circuitry, 0.8 μs conversion time (1.25 MHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4, 8, 16, 32 & 64, 1K entry Channel-Gain Scan Memory with Skip Bit; Multichannel Buffered Serial Port (McBSP), 500KHz sine wave generator, DMA; 1K A/D FIFO, 1K D/A FIFO (x2), Bus master transfer; Versatile Triggering: Software, Pacer Clock, Burst Clock, and External Triggers, Pre-, Post-, and About-Trigger Modes, Random scan, burst and multiburst using channel-gain table; Two Analog Outputs: 12-bit resolution, Typical 5μs settling time (+/-10V range), ±5, +5, ±10, & +10V output ranges, 5mA output current; Digital I/O: 3 Data-marker Input Bits, 1K byte digital input buffer, 8 bit-programmable digital I/O lines and an 8-bit programmable port, Advanced digital interrupts -12/+24mA output drive currents; Three 16-bit 8 MHz timer/counters; Programmable Interrupt Source	1195
371	SDM8540HR-8	PCI-104 Analog and Digital I/O Smart dataModules® with Autonomous SmartCal™, -40° to +85°C; Autonomous SmartCal™ - Software Independent Auto-Calibration; DSP performs analog auto-calibration onboard independent of Host CPU; 2K EEPROM to save/restore calibration values; Analog Inputs: 8 differential or 16 single-ended channels, 12-bit, Successive Approximation Register A/D with internal Sample and Hold circuitry, 0.8 μs conversion time (1.25 MHz throughput), ±5, ±10, 0 to +10V Analog Input Ranges, Programmable binary gains of 1, 2, 4, 8, 16, 32 & 64, 1K entry Channel-Gain Scan Memory with Skip Bit; Multichannel Buffered Serial Port (McBSP), 500KHz sine wave generator, DMA; 8K A/D FIFO, 8K D/A FIFO (x2), Bus master transfer; Versatile Triggering: Software, Pacer Clock, Burst Clock, and External Triggers, Pre-, Post-, and About-Trigger Modes, Random scan, burst and multiburst using channel-gain table; Two Analog Outputs: 12-bit resolution, Typical 5μs settling time (+/-10V range), ±5, +5, ±10, & +10V output ranges, 5mA output current; Digital I/O: 3 Data-marker Input Bits, 8K byte digital input buffer, 8 bit-programmable digital I/O lines and an 8-bit programmable port, Advanced digital interrupts -12/+24mA output drive currents; Three 16-bit 8 MHz timer/counters; Programmable Interrupt Source	1345
372	SK-UPS25ER-1	PC/104 NiMH Uninterruptable Power Supply (UPS) Module for complete battery backup of embedded computers; Includes Eight (8) 1500 mAh AA cell pack. Wide input range 10-40 VDC; Features include: onboard power management and charger for 8 AA NiMH cells, software controlled charging and system shutdown. System backup with 8 cells is 5 to 30 minutes depending on load and battery temperature.	545
373	SK-UPS25ER-2	PC/104 NiCd Uninterruptable Power Supply (UPS) Module for complete battery backup of embedded computers; Includes Eight (8) 1500 mAh AA cell pack; Wide input range 10-40 VDC; Features include: onboard power management and charger for 8 AA NiCd cells, software controlled charging and system shutdown. System backup with 8 cells is 5 to 30 minutes depending on load and battery temperature.	545



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
374	SPM176430ER1000-128	PC/104-Plus Industrial dspModule™; -20° to +70°C Operation; 1 GHz TMS320C6416T DSP; 8000 MIPS operation; Eight 32-Bit Instructions/Cycle; 1.0ns cycle time; 128 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); 3 Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModules; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1295
375	SPM176430ER1000-256	PC/104-Plus Industrial dspModule™; -20° to +70°C Operation; 1 GHz TMS320C6416T DSP; 8000 MIPS operation; Eight 32-Bit Instructions/Cycle; 1.0ns cycle time; 256 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); 3 Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModules; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1495
376	SPM176430ER1000-32	PC/104-Plus Industrial dspModule™; -20° to +70°C Operation; 1 GHz TMS320C6416T DSP; 8000 MIPS operation; Eight 32-Bit Instructions/Cycle; 1.0ns cycle time; 32 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); 3 Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModules; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1195
377	SPM176430HR600-128	PC/104-Plus Industrial dspModule™; -40° to +85°C Operation; 600 MHz TMS320C6416T DSP; 4800 MIPS operation; Eight 32-Bit Instructions/Cycle; 2.0ns cycle time; 128 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); 3 Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModules; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	995
378	SPM176430HR600-256	PC/104-Plus Industrial dspModule™; -40° to +85°C Operation; 600 MHz TMS320C6416T DSP; 4800 MIPS operation; Eight 32-Bit Instructions/Cycle; 2.0ns cycle time; 256 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); 3 Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModules; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1195



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
379	SPM176430HR600-32	PC/104-Plus Industrial dspModule™; -40° to +85°C Operation; 600 MHz TMS320C6416T DSP; 4800 MIPS operation; Eight 32-Bit Instructions/Cycle; 2.0ns cycle time; 32 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); 3 Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModules; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	895
380	SPM176431ER1000-128	PC/104-Plus Industrial dspModule™; -20° to +70°C Operation; 1 GHz TMS320C6416T DSP; 8000 MIPS operation; Eight 32-Bit Instructions/Cycle; 1.0ns cycle time; 128 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); One Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ) or Advanced Digital I/O; Two RS-232/422/485 ports; One AC97 Audio port; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1495
381	SPM176431ER1000-256	PC/104-Plus Industrial dspModule™; -20° to +70°C Operation; 1 GHz TMS320C6416T DSP; 8000 MIPS operation; Eight 32-Bit Instructions/Cycle; 1.0ns cycle time; 256 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); One Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ) or Advanced Digital I/O; Two RS-232/422/485 ports; One AC97 Audio port; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1695
382	SPM176431ER1000-32	PC/104-Plus Industrial dspModule™; -20° to +70°C Operation; 1 GHz TMS320C6416T DSP; 8000 MIPS operation; Eight 32-Bit Instructions/Cycle; 1.0ns cycle time; 32 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); One Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ) or Advanced Digital I/O; Two RS-232/422/485 ports; One AC97 Audio port; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1395
383	SPM176431HR600-128	PC/104-Plus Industrial dspModule™; -40° to +85°C Operation; 600 MHz TMS320C6416T DSP; 4800 MIPS operation; Eight 32-Bit Instructions/Cycle; 2.0ns cycle time; 128 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); One Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ) or Advanced Digital I/O; Two RS-232/422/485 ports; One AC97 Audio port; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1095



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
384	SPM176431HR600-256	PC/104-Plus Industrial dspModule™; -40° to +85°C Operation; 600 MHz TMS320C6416T DSP; 4800 MIPS operation; Eight 32-Bit Instructions/Cycle; 2.0ns cycle time; 256 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); One Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ) or Advanced Digital I/O; Two RS-232/422/485 ports; One AC97 Audio port; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1295
385	SPM176431HR600-32	PC/104-Plus Industrial dspModule™; -40° to +85°C Operation; 600 MHz TMS320C6416T DSP; 4800 MIPS operation; Eight 32-Bit Instructions/Cycle; 2.0ns cycle time; 32 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); One Multi channel Buffered Serial Ports (McBSP) (max. 75Mbit/s ) or Advanced Digital I/O; Two RS-232/422/485 ports; One AC97 Audio port; Boot Mode: PCI, or Flash Boot Mode (switch Enabled ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	995
386	SPM186420ER1000-128	PCI-104 Industrial dspModule™; -20° to +70°C Operation; 1 GHz TMS320C6416T DSP; 8000 MIPS operation; Eight 32-Bit Instructions/Cycle; 1.0ns cycle time; 128 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); Stackable 80-pin PlatformBus (Buffered ASynchronous Memory Interface of the DSP); 3 Multi channel Buffered Serial Port (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModule; Boot Mode: PCI, or Flash ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1295
387	SPM186420ER1000-256	PCI-104 Industrial dspModule™; -20° to +70°C Operation; 1 GHz TMS320C6416T DSP; 8000 MIPS operation; Eight 32-Bit Instructions/Cycle; 1.0ns cycle time; 256 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); Stackable 80-pin PlatformBus (Buffered ASynchronous Memory Interface of the DSP); 3 Multi channel Buffered Serial Port (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModule; Boot Mode: PCI, or Flash ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1495
388	SPM186420ER1000-32	PCI-104 Industrial dspModule™; -20° to +70°C Operation; 1 GHz TMS320C6416T DSP; 8000 MIPS operation; Eight 32-Bit Instructions/Cycle; 1.0ns cycle time; 32 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); Stackable 80-pin PlatformBus (Buffered ASynchronous Memory Interface of the DSP); 3 Multi channel Buffered Serial Port (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModule; Boot Mode: PCI, or Flash ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1195



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
389	SPM186420HR600-128	PCI-104 Industrial dspModule™; -40° to +85°C Operation; 1 GHz TMS320C6416 DSP; 4800 MIPS operation; Eight 32-Bit Instructions/Cycle; 2.0ns cycle time; 128 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); Stackable 80-pin PlatformBus (Buffered ASynchronous Memory Interface of the DSP); 3 Multi channel Buffered Serial Port (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModule; Boot Mode: PCI, or Flash ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	995
390	SPM186420HR600-256	PCI-104 Industrial dspModule™; -40° to +85°C Operation; 1 GHz TMS320C6416 DSP; 4800 MIPS operation; Eight 32-Bit Instructions/Cycle; 2.0ns cycle time; 256 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); Stackable 80-pin PlatformBus (Buffered ASynchronous Memory Interface of the DSP); 3 Multi channel Buffered Serial Port (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModule; Boot Mode: PCI, or Flash ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	1195
391	SPM186420HR600-32	PCI-104 Industrial dspModule™; -40° to +85°C Operation; 1 GHz TMS320C6416 DSP; 4800 MIPS operation; Eight 32-Bit Instructions/Cycle; 2.0ns cycle time; 32 MB SDRAM; 800 MB/s memory transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Switch Enabled); Stackable 80-pin PlatformBus (Buffered ASynchronous Memory Interface of the DSP); 3 Multi channel Buffered Serial Port (McBSP) (max. 75Mbit/s ); SyncBus for Synchronous operation of RTD dataModule; Boot Mode: PCI, or Flash ROM Boot Mode (Switch Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	895
392	SPM6020HR-233-16	PCI-104 Industrial dspModule™; -40° to +85°C Operation; 233 MHz TMS320C6202 DSP; 1864 MIPS operation; Eight 32-Bit Instructions/Cycle; 4.3ns cycle time; 16 Mbytes SDRAM; 466 MB/s transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Jumper Enabled); Stackable 80-pin PlatformBus (Buffered ASynchronous Memory Interface of the DSP); 3 Multi channel Buffered Serial Port (McBSP) (max. 100Mbit/s ); SyncBus for Synchronous operation of RTD dataModule; Boot Mode: Map1, Internal, HPI, or Map1, Internal, 16 Bit ROM Boot Mode (Jumper Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	795
393	SPM6030HR-233-16	PCI-104 Industrial dspModule™; -40° to +85°C Operation; 233 MHz TMS320C6202 DSP; 1864 MIPS operation; Eight 32-Bit Instructions/Cycle; 4.3ns cycle time; 16 Mbytes SDRAM; 466 MB/s transfer rate; 2 Mbytes FLASH; VLIW instruction device; Watch-Dog Timer; Bus master or target only (Jumper Enabled); 3 Multi channel Buffered Serial Port (McBSP) (max. 100Mbit/s ); SyncBus for Synchronous operation of RTD dataModule; Boot Mode: Map1, Internal, HPI, or Map1, Internal, 16 Bit ROM Boot Mode (Jumper Enable); All DSP resources accessible from the PCI bus; TMS320™ DSP ALGORITHM STANDARD	795



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
394	TB50	50 Position Screw Terminal Board; For use with dataModules and the XT50 Twisted Cable or XP50 Ribbon Cable. Easy wiring interface to sensors, sources, and digital circuits.	78
395	TB68	68 Position Screw Terminal Board; For use with dataModules, XD68 and XP68 Cable. Easy wiring interface to sensors, sources, and digital circuits.	99
396	TMX32	Input-Expansion Board with Thermocouple Compensation. Features: Multiplexes 32 SE or 16 DIFF analog input channels into one channel; Programmable gain amplifier (gains of 1, 10, 100, 1000); Temperature sensor provides board-temperature signal; 5 x 6.75"	398
397	UPS25ER-1	PC/104 NiMH Uninterruptable Power Supply (UPS) Module for complete battery backup of embedded computers; Wide input range 10-40 VDC; Features include: onboard power management and charger for 8 AA NiMH cells, software controlled charging and system shutdown. System backup with 8 cells is 5 to 30 minutes depending on load and battery temperature.	409
398	UPS25ER-2	PC/104 NiCd Uninterruptable Power Supply (UPS) Module for complete battery backup of embedded computers; Wide input range 10-40 VDC; Features include: onboard power management and charger for 8 AA NiCd cells, software controlled charging and system shutdown. System backup with 8 cells is 5 to 30 minutes depending on load and battery temperature.	409
399	VFG7330ER	PC/104-Plus Dual Channel Frame Grabber Peripheral Module; 0° to +70°C Operation; Capture two audio/video (A/V) streams simultaneously; 4 switched video inputs per channel (8 total), 2 Snap-Lock SMB inputs, 2 0.1" dual inline inputs, Supports S-Video; 2 stereo audio inputs per channel (4 total); 2 stereo audio outputs: One stereo output for each channel, Captured audio can be routed to PC sound card; Supports NTSC, PAL, and SECAM input, Automatic detection of TV standard, Up to 30 frames/sec @ 640x480 under NTSC, Up to 25 frames/sec @ 768x576 under PAL/SECAM, Dual 9-bit analog to digital converters, Adaptive multi-line comb filter; Opto-isolated digital I/O: 4 inputs per channel (8 total), 4 outputs per channel (8 total); Bus mastering, ACPI D0-D3 power saving modes	515
400	VFG8330ER	PCI-104 Dual Channel Frame Grabber Peripheral Module; 0° to +70°C Operation; Capture two audio/video (A/V) streams simultaneously; 4 switched video inputs per channel (8 total), 2 Snap-Lock SMB inputs, 2 0.1" dual inline inputs, Supports S-Video; 2 stereo audio inputs per channel (4 total); 2 stereo audio outputs: One stereo output for each channel, Captured audio can be routed to PC sound card; Supports NTSC, PAL, and SECAM input, Automatic detection of TV standard, Up to 30 frames/sec @ 640x480 under NTSC, Up to 25 frames/sec @ 768x576 under PAL/SECAM, Dual 9-bit analog to digital converters, Adaptive multi-line comb filter; Opto-isolated digital I/O: 4 inputs per channel (8 total), 4 outputs per channel (8 total); Bus mastering, ACPI D0-D3 power saving modes	515
401	VPWR104HR-50W	PC/104 50 Watt High Efficiency Synchronous Poly-Phase Power Supply Module; -40° to +85°C Operation; Inputs: 8-32 Vdc input (36V maximum); Outputs: +5 Vdc at 10.0 A, +12 Vdc at 2.0 A, -12 Vdc at 500 mA, -5 Vdc 100 mA on PC/104 bus, Full short circuit protection; Remote ON/OFF operation available	395



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<b>Line Item #</b>	<b>RTD Part Number</b>	<b>Short Description</b>	<b>Price</b>
402	WLAN17202ER	PC/104-Plus Wireless LAN Module; 0° to +70°C Operation; Supports standard Wi-Fi protocols, 802.11a (6 to 54 Mbps), 802.11b (1 to 11 Mbps), 802.11g (1 to 54 Mbps), Super AG (up to 108 Mbps); Security: Hardware encryption engine provides secure wireless access without a reduction in performance, IEEE 802.11i, Wi-Fi Protected Access (WPA), Advanced Encryption Standard (AES), Temporal Key Integrity Protocol (TKIP), Wireless Equivalent Privacy (WEP)	495
403	WLAN18202ER	PCI-104 Wireless LAN Module; 0° to +70°C Operation; Supports standard Wi-Fi protocols, 802.11a (6 to 54 Mbps), 802.11b (1 to 11 Mbps), 802.11g (1 to 54 Mbps), Super AG (up to 108 Mbps); Security: Hardware encryption engine provides secure wireless access without a reduction in performance, IEEE 802.11i, Wi-Fi Protected Access (WPA), Advanced Encryption Standard (AES), Temporal Key Integrity Protocol (TKIP), Wireless Equivalent Privacy (WEP)	495
404	XK-CM30	Cable Kit for use with CM310, CM312, CM313 & CM17320 series PC/104 and PC/104-Plus Peripheral Modules	49
405	XK-CM77	Cable Kit for Utility connector on RTD PC/104 & PC/104-Plus cpuModules™; 10-pin 0.1" DIL connector to: 6-pin mini-DIN female Keyboard Connector, 6-pin mini-DIN PS/2 female Mouse Connector, Push Button Reset Switch, Push Button Power Switch, Real Time Clock (RTC), Replaceable Battery, PC Speaker	49
406	XK-CM80	Cable Kit for use with CME136686LX series PC/104 cpuModules	199
407	XK-CM81	Cable Kit for use with CME137686LX series PC/104-Plus cpuModules™	199
408	XK-CM88	Cable Kit for use with CMX58886 series PCI-104 cpuModules™	299
409	XK-CM90	Cable Kit for use with CMA157886 series PC/104-Plus cpuModules™	299
410	XK-CM91	Cable Kit for use with CMA22MVD series PCI/104-Express cpuModules™	349
411	XPWR104HR-75W	PC/104 75 Watt Embedded Power Supply Peripheral Module; -40° to +85°C Operation; Wide Input Voltage Range: 8-32 Vdc input (36 Volt maximum), Reverse polarity input protection to 40 Volts, Voltage transient input protection; Outputs: +5 Vdc at 15.0 A, +12 Vdc at 2.0 A, (3A max), -12 Vdc at 500 mA, (1A max), -5 Vdc 100 mA on PC/104 bus, All outputs are short circuit protected; Status LED's; Remote ON/OFF operation available	435