



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)



## RTD Embedded Technologies, Inc.

An AS9100 and ISO 9001 Certified Company

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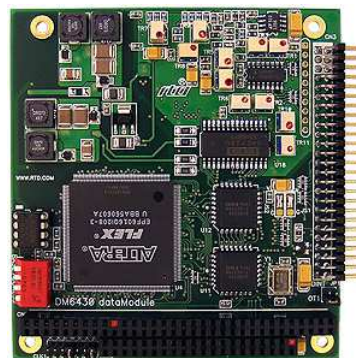
### DM6430HR

True AT High Speed DAQ with 16-bit, 100 kHz Analog I/O and Full AT Bus Interface

Operating Temperature  $-40^{\circ}$  to  $+85^{\circ}\text{C}$

#### Key Features

- PC/104 form factor with stackable ISA bus
- High-resolution Analog Inputs
  - 16 Single-ended/8 Differential inputs
  - 16-bit A/D with matched internal Sample and Hold
  - 10  $\mu\text{s}$  conversion time (100 kHz throughput)
  - $\pm 10\text{ V}$  Input Range
  - Programmable gains of 1, 2, 4, 8
  - 1K entry Channel-Gain Scan Memory with Skip Bit
- High-speed Data Paths
  - True AT 16-bit bus to A/D and D/A
  - 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
  - 10  $\mu\text{s}$  settling time (full scale)
  - $\pm 10\text{V}$  output range
  - 5 mA 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
  - $-12/+24\text{ mA}$  output drive currents
- Timers and Counters
  - Programmable high-speed sample counter
  - Two 16-bit timer/counters, on-board 8 MHz clock
- Programmable Interrupt Source
- Mating Connector
  - Standard 50-pin 0.1" DIL header



DM6430 dataModule



Rugged IDAN configurations available

[View I/O Assignments](#)

#### Software

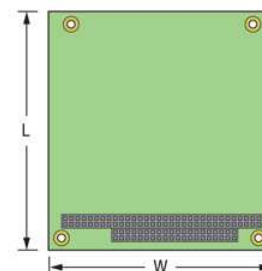
- Includes software packages for the following Operating Systems:
  - DOS
  - Windows 98, NT4.0, 2000, XP/XPe
  - Linux 2.4.x and 2.6.x
- Source code provided for easy porting to other platforms, including RTOSes.
- Data acquisition toolkits such as LabVIEW and MATLAB may be used with the Windows drivers.
- Example programs with source code provide a starting point for developing custom applications.

#### Recommended Accessories

- XT50: 3 foot, 50-pin, twisted-pair cable
- TB50: 50-pin screw terminal board
- XB50: 50-pin screw terminal board with prototyping area

#### Physical Attributes

- Dimensions
  - Length (L): 3.775 inches (95.89 mm)
  - Width (W): 3.550 inches (90.17 mm)
  - Stand-off Height: 0.600 inches (15.24 mm)
- Weight: Approximately 0.34 lbs. (0.15 Kg)
- Standard Operating Temperature, 90% humidity non-condensing:  $-40$  to  $+85^{\circ}\text{C}$
- Storage Temperature:  $-55$  to  $+125^{\circ}\text{C}$
- MTBF: 1,894,073 hours
- Power Requirements: 3.5 W @ 5 VDC typical



#### Documentation and Downloads

- [Hardware Manual](#)
- [Drivers and Example Programs](#)



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