

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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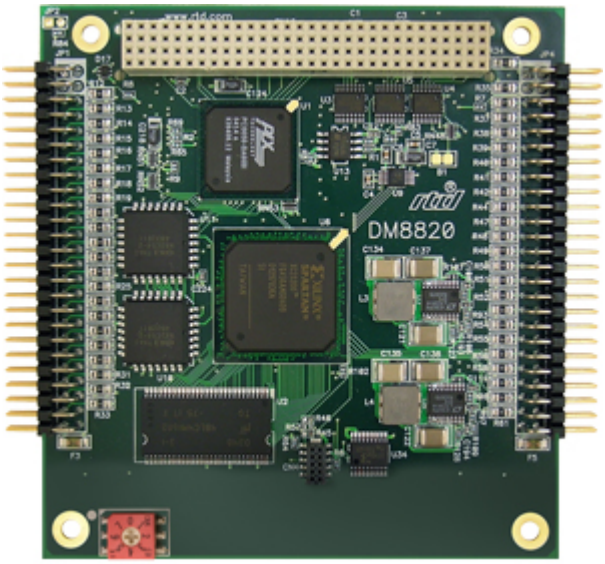
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DM8820HR

PCI-104 High-Speed Digital I/O

*Operating Temperature **-40°** to **+85°**C*

Key Features



DM8820 dataModule

- PC/104 form factor
- PCI-104 stackable bus structure [click here for PC/104-*Plus*]
- PCI-bus interface with PLX9056 33 MHz, 32-bit PCI interface
- 48 Diode protected I/O lines
- 2 MB Input FIFO buffer onboard
- Standard outputs: -24mA / +24mA (source / sink)
- On-board 25 MHz clock
- Compatible with DMR & DOP expansion boards
- Mating Connector
  - Two Standard 0.1 inch spaced 2 x 25
- Digital I/O
  - 48 Diode protected I/O lines
  - 24 mA source and sink current
  - Compatible with DMR and DOP expansion boards
  - Deep FIFOs with DMA
  - Two 2M-Word FIFOs
  - Each FIFO is attached to a separate DMA channel
  - 25 MHz bursted throughput
  - 12.5 MHZ continuous throughput
  - FIFO can be looped
- Pulse Width Modulators
  - Eight PWM outputs
  - Single-ended or Differential Outputs
  - 16-bit resolution
  - Separate period and width clocks provide full resolution at low duty cycles
  - Optional Interrupt generations
- Incremental Encoders
  - Four Incremental Encoder channels
  - Single-ended or Pseudo-differential Inputs
  - Variable frequency input filtering
  - Max input speed of 40ns per transition
  - 16-bit resolution
  - Two channels can be combined for 32-bit resolution
  - Connect to FIFO for position sampling
- Advanced Interrupts
  - Two Advanced Interrupt Modules
  - Interrupt on Match, Change, or Strobe
  - All 48 bits are captured when the interrupt is generated
  - Any combination of the 48 bits can be monitored
- Programmable Clocks
  - Four programmable clocks
  - Maximum frequency of 25 MHz
  - Can be started and stopped by an interrupt or another clock
  - Continuous or One-Shot Operation
  - Can be cascaded

- 82C54 Timer/Counters
  - Six Timer/Counter Channels
  - Fully programmable
  - Input clock and gate driven from internal or external source
  - 10 MHz maximum input

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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