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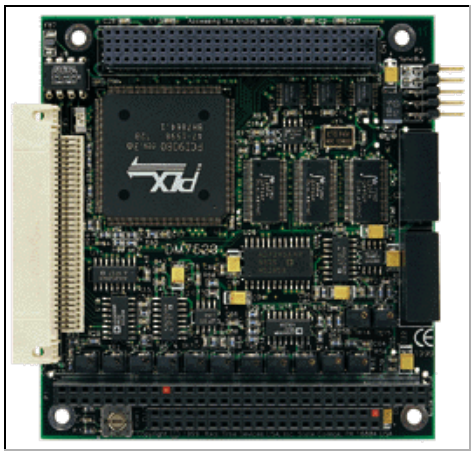
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RTD Embedded Technologies, Inc.
103 Innovation Blvd. State College, PA 16803 (814)-234-8087

DM7520HR-1 and DM7520HR-8
HighRel PC/104-Plus 1.25 MHz
12-bit Analog I/O dataModules with Bus Mastering
SyncBus & McBSP Serial Port

Operating Temperature -40° to +85°C

FEATURES:



DM7520HR-1 dataModule

- **3.3V and 5V PCI signaling compatible**
- **Bus Mastering**
- **Extended Temperature Range**
  - -40°C 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 or 8K entry Channel-Gain Scan Memory with Skip Bit
- **High-speed Data Paths**
  - 33 MHz, 32-Bit PCI Bus
  - Multichannel Buffered Serial Port (McBSP)
  - 1K or 8K sample buffer on A/D converter
  - 1K or 8K sample buffer on each D/A converter channel
  - Bus master transfer
- **Versatile Triggering**
  - Software, Pacer Clock, and External Triggers
  - Pre-, Post-, and About-Trigger Modes

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- Random scan, burst and multiburst using channel-gain table

- **Two fast analog outputs**
  - 12-bit resolution
  - 5µs settling time (full scale)
  - ±5, +5, ±10, & +10V output ranges
  - 5mA output current

- **Digital I/O**
  - 3 Data-marker Input Bits
  - 1K or 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

- **Timers and Counters**
  - Twelve 16-bit, 8 MHz timer/counters to support timing and counting functions (3 available for User applications).

- **Easy to Use**
  - Programmable Interrupt Source
  - Single +5V power supply
  - Low power: 500mA (2.5W)

- **Software**
  - Includes DOS example programs with source code
  - Windows 95/98, ME, NT, 2000, and XP drivers with Visual C examples including DSP examples
  - Open source Linux driver with examples available for download

- **Mating Connector**
  - Manufacturer: 3M
  - Part Number: 82068-6000

Ordering Information

Part Number	Description	OEM Price
DM7520HR-1	12-bit, 1.25 MHz PC/104-*Plus* with 1K FIFO buffer, McBSP Serial Port	$ 745
DM7520HR-8	12-bit, 1.25 MHz PC/104-*Plus* with 8K FIFO buffer, McBSP Serial Port	$ 870

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.

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

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