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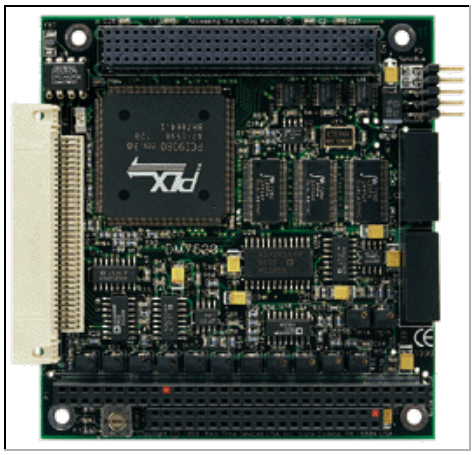
Expert team | Trust guarantee | 100% satisfaction

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Find the *RTD Embedded Technologies DM7520HR-1* at our website: *Click HERE*

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



DM7520HR-1 dataModule

FEATURES:

- **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

- 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
DM7520HR-1	12-bit, 1.25 MHz PC/104-*Plus* with 1K FIFO buffer, McBSP Serial Port
DM7520HR-8	12-bit, 1.25 MHz PC/104-*Plus* with 8K FIFO buffer, McBSP Serial Port

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