



9424 Analog I/O Module

Specifications:

Number of Analog Input Channels : 16 differential or 32 single ended.

Resolution: 16 bits.

Input Range: $\pm 10V$, $\pm 5V$, $\pm 2.5V$, $0-10V$, $0-5V$.

A/D Conversion Rate: 300kHz. Clock may be supplied from on-board or external source.

Programmable Gain: 1,2,4, or 8.

Input Impedance: $1G\Omega$

VME Specifications

Meets VME Specifications Revision C.1 IEEE Std. 1014-1987

A16:D32 BLT Slave

Address Modifier Code 29, or 2D HEX.

1K consecutive byte locations, base address configurable within 64K Short I/O space.

Board size: 6U

Power Requirements

+5 Volts @ 500mA

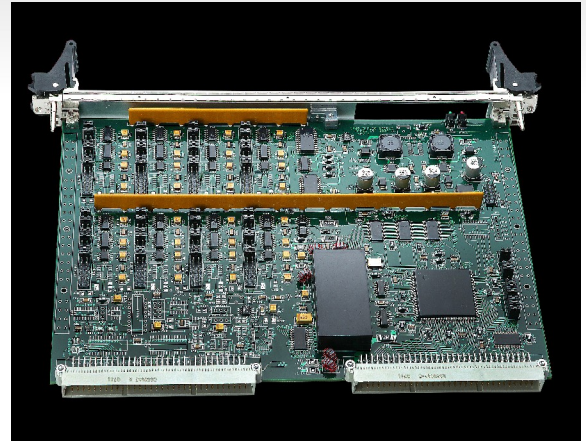
± 12 Volts @110mA

Environmental

Operating Temperature: -20 to $85\text{ }^{\circ}\text{C}$

Storage Temperature: -40 to $125\text{ }^{\circ}\text{C}$

Shock: 25g, 11ms on all axis



The 9424 Analog Input Module offers the following features:

The unit is a drop-in replacement for the Acromag® AVME9320/21.

16 bit resolution on analog inputs and outputs.

Interrupt Driven Scan Mode for A/D conversions.

A/D conversions may be triggered by

- write to software register
- external signal
- conversion timer register

Analog Outputs may be configured to reset to either mid-scale or min-scale.

Conformal coating is standard on all units.

Conduction-cooled version available.

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Merlin Embedded

10415 Willow Ridge Loop

Orlando, FL 32825 (866) 700 7704

www.merlinembedded.com