



9510 Isolated Multi-Function I/O Module

Specifications:

I/O Channels :

16 differential or 32 single ended analog inputs with 16 bit resolution

4 analog outputs with 16 bit resolution.

32 Digital I/O with 0-30V range and up to 500mA current sink per output.

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

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

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

Isolation: 1500V

VME Specifications

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

A24/A16:D32 BLT Slave

Address Modifier Code 29, 2D, 39, or 3D HEX.

1K consecutive byte locations, base address configurable within either the Standard or Short I/O space.

Board size: 6U

Power Requirements

+5 Volts @ 500mA

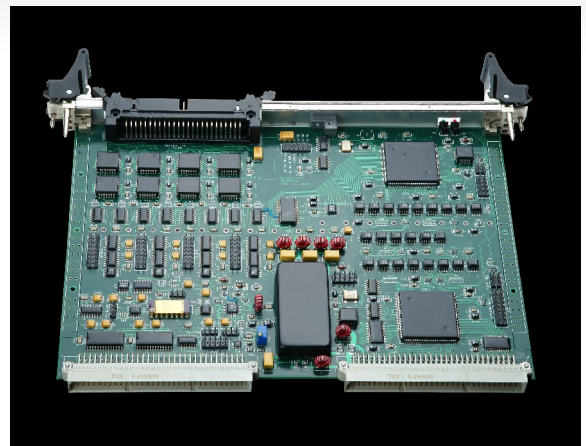
± 12 Volts @110mA

Environmental

Operating Temperature: -20 to 85 °C

Storage Temperature: -40 to 125 °C

Shock: 25g, 11ms on all axis



The 9510 Multi-Function I/O Module offers the following features:

The unit is a drop-in replacement for the Acromag® AVME9510.

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

All I/O's are optically isolated from the VMEbus.

Conformal coating is standard on all units.

Conduction-cooled version available

Merlin Embedded

151 Sawgrass Corners Dr., Suite 105
Ponte Vedra, FL 32082 (866) 700 7704
www.merlinembedded.com

All trademarks are the property of their respective owner. Please note that Merlin Embedded is not associated with any of the companies for whom our products are drop-in replacements.