



# Merlin VME Sales

## 9424 ANALOG INPUT MODULE

### SPECIFICATIONS

Number of Analog Input Channels: 16 Differential, 32 Single Ended  
Conversion Rate: 300ksa/s. Clock may be supplied on board or from external source  
Input Range:  $\pm 10V$ , 0-10V,  $\pm 5V$   
Programmable gain: 1, 2, 4, and 8  
Sample and hold acquisition time: 3  $\mu s$  max.  
A/D Conversion time: 3  $\mu s$  max.  
A/D resolution: 12 or 16 bits  
Input Impedance: 1 G $\Omega$   
Two Analog Outputs with user selectable ranges of  $\pm 2.5V$ ,  $\pm 5V$ ,  $\pm 10V$ , 0-5V, 0-10V  
Digital Data Format: 16 bit 2's complement or offset binary

### VME Specifications

Meets VME Specifications Revision C.1 IEEE Std. 1014-1987  
A16:D32 DTB Slave  
Address modifier code 29 or 2D HEX  
Short I/O space covering 256 consecutive byte locations, base address configurable within 64 short I/O space  
Board size: 6U

### Power Requirements

+5 Volts @ 500mA  
 $\pm 12$  Volts @ 110mA

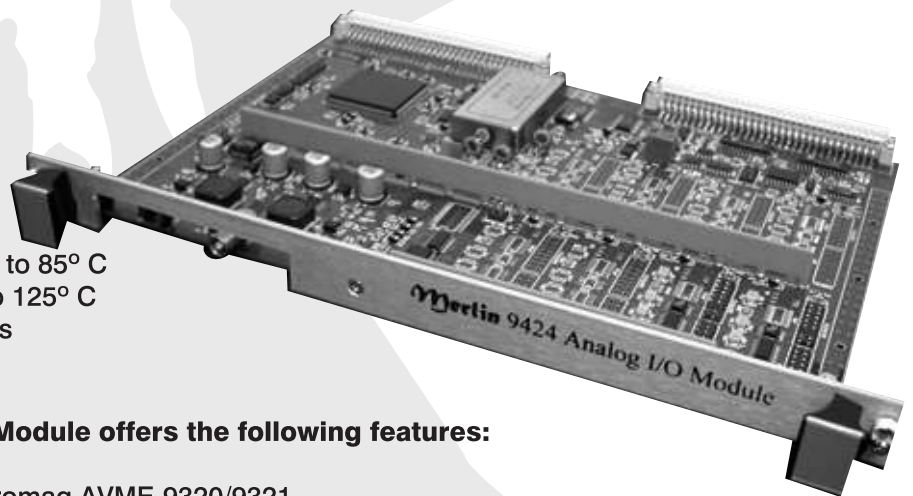
### Environmental

Operating Temperature: -20 to 85° C  
Storage Temperature: -40 to 125° C  
Shock: 25g, 11ms on all axis

### Features

The 9424 Analog Output Module offers the following features:

- Drop in replacement for Acromag AVME-9320/9321.
- Interrupt driven Scan Mode.
- A/D conversions may be triggered by write to software register, external signal, or conversion timer register.
- Analog outputs may be programmed to reset to mid-scale or min-scale.
- Conduction cooled version available.



4600 Kietzke Lane, Bldg. C-126, Reno, NV 89502

Phone: (866)700-7704

e-mail: merlin10@sprynet.com - www.merlinvme.com