9432 Analog Output Module

Specifications:

Number of Analog Outputs: 32 differential

Resolution: 16 bits.

Output Range: ±2.5V

Settling time to ½ LSB: 4µsec for 5V step.

Output Current: 20mA per channel

D/A Noise Floor: -137dBV √Hz over 100kHz bandwidth

VME Specifications

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

A16:D32 BLT Slave

Address Modifier Code 29, or 2D HEX.

256 consecutive byte locations, base address configurable within 64K Short I/O space.
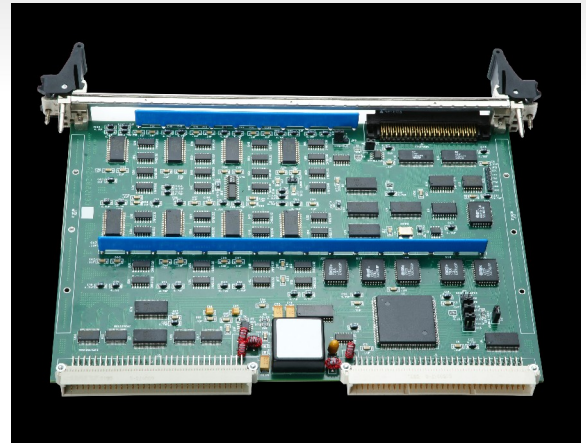
Board size: 6U

Power Requirements

+5 Volts @ 500mA

±12Volts @110mA

Environmental

Operating Temperature: -40 to 85 °C

Storage Temperature: -40 to 125 °C

Shock: 25g, 11ms on all axis

Merlin Embedded
10415 Willow Ridge Loop
Orlando, FL 32825
(866) 700 7704
www.merlinembedded.com

The 9432 Analog Output Module offers the following features:

The user may configure the unit so that digital data comes from either the VMEbus or FPDP interface.

A retransmit mode allows the unit to be used as an arbitrary waveform generator.

Self-test on SYSRESET runs 4 data convert cycles on each output. Onboard A/D converter tests each output.

When used with the 9531 FPDP SRAM Module the unit becomes a 32 channel arbitrary waveform generator with 8Mbytes of RAM.

Up to 8 boards may be synchronized across the FPDP interface.

Conformal coating is standard on all units.

Conduction-cooled version available.