



# Merlin VME Sales

## 9310 ISOLATED DIGITAL I/O BOARD

### SPECIFICATIONS

Number of Digital Inputs: 64  
Input Voltage: User specified up to 50V  
Number of Digital Outputs: 64  
Continuous Output Current: 1/2A per output  
Output Voltage: User specified up to 50V  
Watchdog Timer: User specified time-out  
Inactive state of outputs is programmable

### VME COMPLIANCE

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 64K I/O space  
Board size: 6U

### POWER SUPPLY REQUIREMENTS

+5 Volts @ 1.3A

### ENVIRONMENTAL

Operating Temperature: -25 to 85° C  
Storage Temperature: -40 to 125° C

### DESCRIPTION

The 9310 Isolated Digital I/O Board is a single VMEbus compatible module offering 64 inputs and 64 outputs.

The output voltage is user specified up to 50V. Each output can supply up to 1/2 amp continuously. A watchdog timer causes all output to go inactive. The user may program the inactive state of each set of eight output to be either high or low. The watchdog default state is enabled. The user may disable the watchdog in software. All output are optically isolated up to 2500 V.

The input voltage is user specified up to 50V. All inputs are optically isolated up to 2500V.

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