



## MVXI1460 64 Channel Relay Multiplexer

### Specifications

64 non-latching relays

The VXIbus main board front panel connectors are connected to a QUIC terminal block to configure the unit for the desired relay matrix.

### VXI Characteristics

**VXI Device Type:** Register based A16, Slave  
**Size:** C  
**Slots:** 1  
**Connectors:** P1/P2

### Channel to Channel Crosstalk at 100kHz:

100kHz <-70 dB  
10Hz <-28 dB

### Closed Channel Capacitance (<10kHz)

Channel-to-channel: <30pF  
Channel-to-common <40pF

### Minimum Bandwidth

**-3 dB, ZL=Zx=50 Ohm: 10MHz**

### Input Specifications

DC: 200V  
AC rms: 170V  
Peak: 238V p-p  
Max Current: 2Adc / 2 Aac peak per channel

### Relay Specifications

Relay close time: 4ms max  
Min. relay life: 5x10E6 operations  
Closed channel resistance: <1.5 ohms

### Environmental

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

The Merlin MVXI-1442 is a true drop in replacement for the Keysight/Agilent/HP E1442A relay module. The user is not required to change any software or cabling.

### Merlin Embedded

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