

Xtreme I/O Opto

Connect Tech's Xtreme I/O Opto is a 48-bit isolated digital input/output board grouped with 24 optically isolated inputs and 24 optically isolated outputs. The flexibility of the FPGA technology applied to the Xtreme I/O Opto allows integration and customization to meet application requirements.

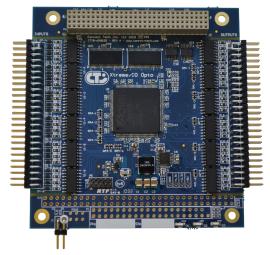
Fully PCI-104 compliant, Xtreme I/O Opto can be controlled directly from a memory mapped register set in any operating system.

The reliability of the Xtreme I/O Opto, along with the added protection provided by 3kV isolation ensures optimal performance and protection under extreme environmental conditions. Xtreme I/O Opto is ideal for embedded technology applications in the military, aerospace, medical and industrial sectors.

Specifications

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Inputs	 24 optically isolated inputs (24-bits) Wide input voltage range from +0 up to +40V DC Independent grounds and reverse voltage protection Selectable interrupt generation on any input signal (change of state, rising or falling edge) 1.8kOhm current limiting series resistor on each input
Outputs	 24 optically isolated outputs (24-bits) Wide output voltage range from +0 up to +40V DC Open collector configuration with common emitters Individual selectable output voltage levels with a 4.7kOhm pull up Maximum output current: 8mA
Connectors	$2x25\ (50\ position)\ 0.1''\ (DIL)\ pin\ headers\ available\ in\ vertical\ or\ right\ angle$
Bus	PCI-104 (PC/104-Plus)
Optical Isolation	3kV RMS
Control/Addressing	FPGA Register Controlled Device (No jumpers needed)Custom logic available upon request
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Dimensions	Fully PCI-104 compliant: 3.775" x 3.550"
Bus	PCI-104 (PC/104-Plus), ISA (PC/104) connector can be optionally installed as a pass-through connector
Software Compatibility	 Custom CTI Device Drivers for QNX, Linux, Windows Device can also be controlled directly from a memory mapped register set in any operating system
Warranty and Support	Lifetime warranty and free technical support
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Product Name: Xtreme I/O Opto Part Number: DAG001



FEATURES

 PCI-104 & PC/104-Plus Compliant
 48 Isolated Digital I/O Channels
 3kV isolation on all channels
 FPGA Register Controlled Device (jumpers are not required)
 Interrupt Generation Capability
 +0 to +40V DC Voltage Range

Connect Tech Inc.

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