



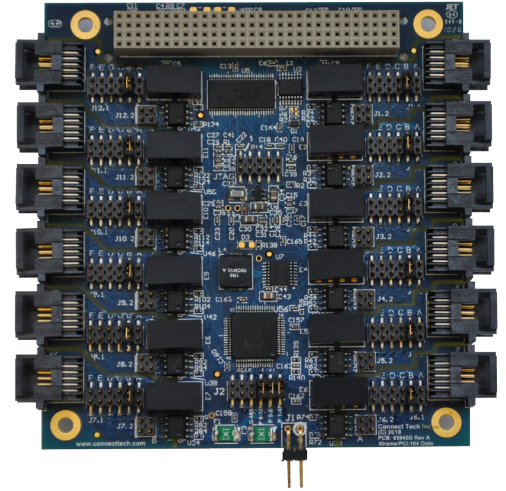
Xtreme/PCI-104 Opto

Connect Tech's robust Xtreme product family now includes high density optical isolation as an additional feature to its product offering. Xtreme/PCI-104 Opto provides the highest port density, with 12 ports on a PCI-104 card, along with the added protection of 1kV optical isolation on a rugged and compact form factor.

Dependability, high speed data transfer rates and 1kV of optical isolation protection makes these cards ideal for critical applications whereby harsh conditions may disrupt communications .

Use Xtreme/PCI-104 Opto for embedded systems in the military, aerospace, medical and industrial sectors.

Product Name: Xtreme/PCI-104 Opto
Part Number: XIG001



FEATURES

- ✓ 12 RS-232/422/485 optically isolated serial ports
- ✓ Data rates up to 921.6kbps RS-232 and 2.06Mbps RS-422/485
- ✓ High performance UART with 64 byte FIFO
- ✓ Supports full duplex (4-wire) half duplex (2-wire) and multi-drop (4-wire) in RS-422/485 mode
- ✓ 1kV optical isolation

Specifications	
Number of Ports	12 ports
Electrical Interface	Hardware selectable RS-232/422/485
Control Signals	RS-232: TxD, RxD, RTS, CTS, SG (Signal Ground) RS-422/485: TxD+/-, RxD+/-, RTS+/-, CTS+/-, SR (Signal Return)
Connectors	10-pin R/A locking connectors
Baud Rate	RS-232: 50 bps to 1.0 Mbps RS-422/485: 50 bps to 4.16 Mbps
Optical Isolation	1 kV AC RMS optical isolation protection per port
Interrupts	Assigned by PCI Plug and Play resources
Memory Addresses	Assigned by PCI Plug and Play resources
UART Type	High performance UARTs with 64 byte transmit and receive FIFO buffers
Dimensions	Fully PCI/104 compliant: 3.550" x 3.775"
Temperature	Operating Temperature: -40°C to 85°C (-40°F to 185°F) Storage Temperature: -40°C to 125°C (-40°F to 257°F) Humidity: 95% non-condensing
Bus	5V PCI-104
Software Compatibility	Windows 2000/XP/CE/XPe/Vista/QNX 4/6, Linux
System Requirements	+5V DC 750mA to 950mA
Cable	12/305mm DB9 cable, 1 per port required, Part #: CBG067
Warranty and Support	Lifetime warranty and free technical support

Specifications subject to change without notice.
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