

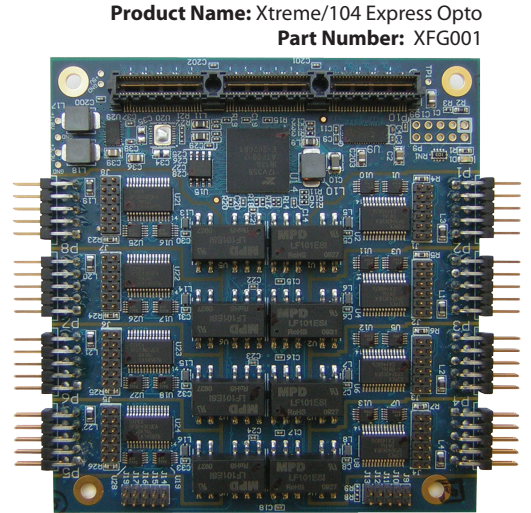


# Xtreme/104-Express Opto

Connect Tech's PCIe/104 products offer advantages such as rapid data transfer, high reliability and reduced costs due to the stacking nature of the PC/104 form factor. Our new Xtreme/104-Express Opto serial card maximizes ruggedness by adding 3 kV optical isolation to protect your industrial and embedded applications.

Xtreme/104-Express Opto includes a fractional baud rate generator that matches almost any baud rate accurately. Additionally, Xtreme/104-Express Opto offers large 256 byte FIFO buffers, 9-bit data support, and is suitable for industrial temperature requirements (-40°C to 85°C).

Providing longevity for military, aerospace, medical, instrumentation and industrial control, Xtreme/104-Express Opto is the ideal choice for your critical applications.



## FEATURES

- ✓ PCIe/104 compliant
- ✓ 8 RS-232/422/485 serial ports
- ✓ Speeds up to 7.8125Mbps
- ✓ PCI Express UART with 256 bytes of transmit and receive FIFO buffers
- ✓ Supports full duplex (4-wire), half duplex (2-wire) and multi-drop (4-wire) in RS-422/485 mode

## Specifications

<b>Number of Ports</b>	4 or 8 ports
<b>Electrical Interface</b>	Hardware selectable RS-232/422/485
<b>Control Signals</b>	<b>RS-232:</b> TxD, RxD, RTS, CTS, RI, DTR, DSR, DCD, SG (Signal Ground) <b>RS-422/485:</b> TxD+/-, RxD+/-, RTS+/-, CTS+/-, SR (Signal Reference)
<b>Connectors</b>	Each port has an independent connector <b>Connectors:</b> Right angle, 2 x 5 pin, 0.100" pitch headers
<b>Baud Rate</b>	<b>RS-232:</b> 50 bps to 1 Mbps <b>RS-422/485:</b> up to 7.8125 Mbps
<b>Optical Isolation</b>	3 kV DC, 2.1 kV AC RMS optical isolation protection per port
<b>Interrupts</b>	Assigned by Plug and Play resources
<b>Memory Addresses</b>	Assigned by Plug and Play resources
<b>UART Type</b>	One quad or octal PCI Express UART with 256 byte transmit and receive FIFO buffers
<b>Dimensions</b>	Fully PCIe/104 compliant: 3.550" x 3.775"
<b>Temperature</b>	<b>Operating Temperature:</b> -40°C to 85°C (-40°F to 185°F) <b>Storage Temperature:</b> -40°C to 125°C (-40°F to 257°F) <b>Humidity:</b> 95% non-condensing
<b>Bus</b>	PCIe/104
<b>Software Compatibility</b>	Windows 2000/XP/XPe/Vista/Windows 7/Windows Server 2008 <b>Coming soon:</b> QNX 4/6, Linux
<b>Power Requirements</b>	5V DC @ 500mA (typical), 1.0 A (max.)
<b>System Requirements</b>	An available x1 lane within a PCIe/104 stack
<b>Warranty and Support</b>	Lifetime warranty and free technical support



Specifications subject to change without notice.  
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