



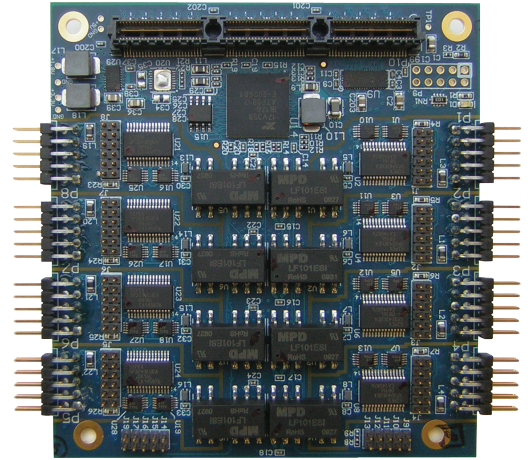
Xtreme/104-Express Opto

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.

Product Name: Xtreme/104 Express Opto
Part Number: XFG002



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

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

RoHS

Specifications subject to change without notice.
©2010, Connect Tech Inc. All trademarks are property of their respective holder.

Connect Tech Inc.
42 Arrow Road, Guelph ON Canada
Tel: 519.836.1291 **Fax:** 519.836.4878
Toll: 800.426.8979 (North America)
Email: sales@connecttech.com
www.connecttech.com