

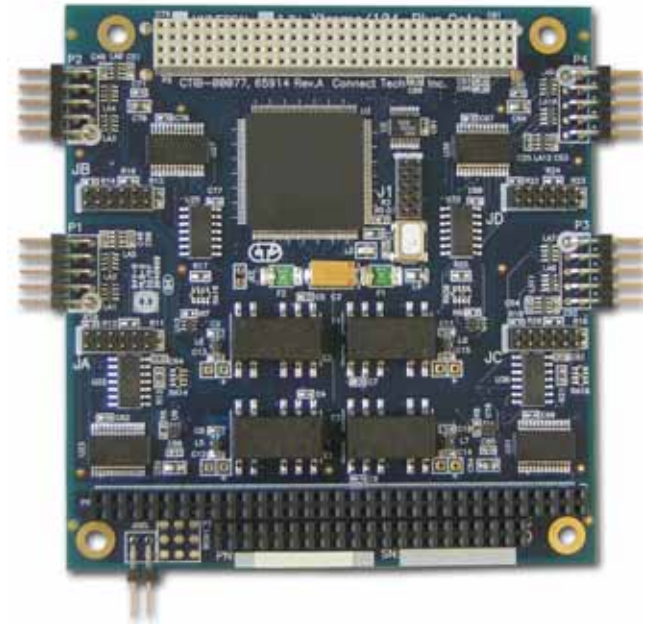
Xtreme/104-Plus Opto

Serial Communications


Xtreme/104-Plus Opto

Features

- PC/104-Plus
- Two or four ports individually optically isolated
- Switchable RS-232/422/485
- Supports full duplex (4 wire) with RTS/CTS flow control, half duplex (2 wire) with auto TxD echo cancellation and multi-drop (4 wire) modes in RS-422/485
- Bi-directional data speeds up to 1.843 Mbps (RS-422/485)
- Selectable for tri-state on power up in RS-422/485 mode
- 3kV optical isolation
- Operating temperature range of -40°C to 85°C
- RoHS compliant



Specifications

Number of Ports	2 or 4 ports
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	2 port model: two 10-pin, .100" right angled connectors 4 port model: four 10-pin, .100" right angled connectors
Control Signals	RS-232: TxD, RxD, RTS, CTS, SG (Signal Ground) RS-422/485: TxD _{+/+} , RxD _{+/+} , RTS _{+/+} , CTS _{+/+} , SR (Signal Return)
Baud Rate	RS-232: 50 bps to 921.6 Kbps RS-422/485: 50 bps to 1.8432 Mbps
Interrupts	Assigned by Plug and Play resources
Memory Addresses	Assigned by Plug and Play resources
UART Type	One quad PCI UART with up to 64 byte transmit and receive FIFO buffers
Dimensions	Fully PC/104-Plus compliant
Environmental	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	3.3 V or 5V PC/104-Plus or PCI-104
Software Compatibility	Windows 2000/XP/CE/XPe/Vista, QNX 4/6, Linux 
Optical Isolation	3kV optical isolation
System Requirements	+5V DC 500mA (max.) V/I/O of +5V or +3.3V DC

Connect Tech's robust Xtreme/104-Plus product family has introduced optical isolation as an additional feature to its product offering. Xtreme/104-Plus Opto provides the added protection of 3kV optical isolation on a rugged and compact form factor for your critical applications.

PCI 2.3 and PC/104 2.0 compliant, Xtreme/104-Plus Opto cards include a PC/104 pass-through connector for compatibility with legacy PC/104 cards.

Dependability, high speed data transfer rates and 3kV of optical isolation protection makes these cards ideal in environments where harsh conditions may disrupt communications.

Use Xtreme/104-Plus Opto for embedded systems in the military, aerospace, medical and industrial sectors. Lifetime Warranty and free technical support is also included.



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