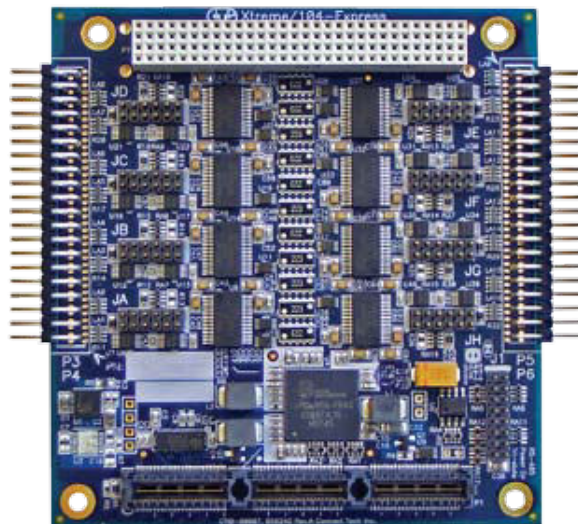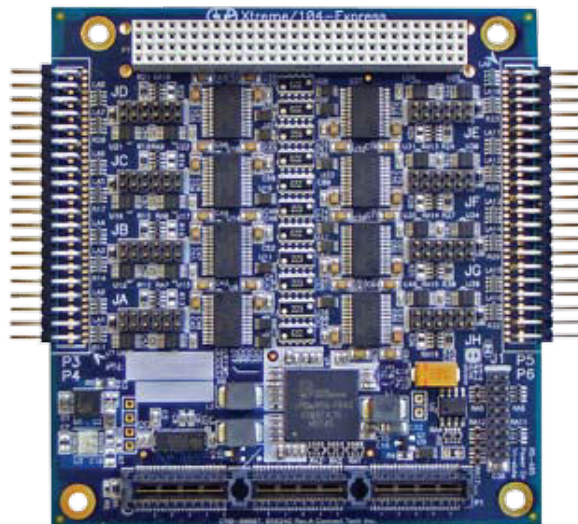# Xtreme/104-Express

Serial Communications

Xtreme/104-Express

Features

- PCI/104-Express
- Eight ports
- 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
- Supports baud rates up to 15.625 Mbps
- Selectable for tri-state on power up in RS-422/485 mode
- 1/8 load RS-485 transceivers allow up to 256 devices on a bus
- Filtering on all ports to improve immunity to EMI and noisy transmission lines
- Supports 9-bit data modes
- Operating temperature range of -40˚C to 85˚C
- RoHS compliant

Specifications

Number of Ports	8 ports
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	Two right angle, 40 pin 0.100" pitch headers Optional DB-9 cables
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)
Baud Rate	RS-232: 50 bps to 921.6 Kbps RS-422/485: up to 15.625 Mbps
Interrupts	Assigned by Plug and Play resources
Memory Addresses	Assigned by Plug and Play resources
UART Type	One octal PCI Express UART with up to 128 byte transmit and receive FIFO buffers
Dimensions	Fully PCI/104-Express compliant: 3.550" x 3.775"
Environmental	Operating Temperature: -40º C to 85º C (-40º F to 185º F) Storage Temperature: -40º C to 125º C (-40º F to 257º F) Humidity: 95% non-condensing
Bus	PCI/104-Express or PCIe/104
Software Compatibility	Windows 2000/XP/XP 64-Bit/2003/Server 2003 64-Bit, Vista
Power Requirements	5V DC @ 100mA (typical), 650mA (max.)
System Requirements	An available x1 lane within a PCI/104-Express stack

Xtreme/104-Express

Features

- PCI/104-Express
- Eight ports
- 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
- Supports baud rates up to 15.625 Mbps
- Selectable for tri-state on power up in RS-422/485 mode
- 1/8 load RS-485 transceivers allow up to 256 devices on a bus
- Filtering on all ports to improve immunity to EMI and noisy transmission lines
- Supports 9-bit data modes
- Operating temperature range of -40˚C to 85˚C
- RoHS compliant

Specifications

Number of Ports	8 ports
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	Two right angle, 40 pin 0.100" pitch headers Optional DB-9 cables
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)
Baud Rate	RS-232: 50 bps to 921.6 Kbps RS-422/485: up to 15.625 Mbps
Interrupts	Assigned by Plug and Play resources
Memory Addresses	Assigned by Plug and Play resources
UART Type	One octal PCI Express UART with up to 128 byte transmit and receive FIFO buffers
Dimensions	Fully PCI/104-Express compliant: 3.550" x 3.775"
Environmental	Operating Temperature: -40º C to 85º C (-40º F to 185º F) Storage Temperature: -40º C to 125º C (-40º F to 257º F) Humidity: 95% non-condensing
Bus	PCI/104-Express or PCIe/104
Software Compatibility	Windows 2000/XP/XP 64-Bit/2003/Server 2003 64-Bit, Vista
Power Requirements	5V DC @ 100mA (typical), 650mA (max.)
System Requirements	An available x1 lane within a PCI/104-Express stack

June 11, 2009