

Titan/104-Plus

Serial Communications

Titan/104-Plus

Features

- 4 or 8 ports asynchronous ports with jumper selectable RS-232/422/485 interface options
- PCI 2.3 and PC/104-**Plus** 2.0 compliant with PC/104 pass-through connectors as required for compatibility with PC/104 cards
- Each port can be configured independently for baud rate, parity, data and stop bits; including **9 bit data support**
- Quad Oxford UARTs provide 128 bytes of transmit and receive FIFO buffers for each port
- 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
- Maximum data speeds up to 921.6 Kbps (RS-232) and 1.843 Mbps (RS-422/485)
- Operating temperature range of 0°C to 70°C



Specifications

Number of Ports	4 or 8 ports
Electrical Interface	Hardware selectable RS-232/422/485
Connectors	2 x 40-pin headers (custom connectors and DB-9 male cables also available)
Control Signals	RS-232: TxD, RxD, RTS, CTS, RI, DTR, DSR, DCD, Signal Ground (SG) RS-422/485: TxD+/-, RxD+/-, RTS+/-, CTS+/-, Signal Return (SR)
Baud Rate	RS-232: 50 bps to 921.6 Kbps RS-422/485: 50 bps to 1.843 Mbps
Interrupts	PCI plug and play - no jumpers to set for memory or interrupt configuration
Memory Addresses	Assigned by Plug and Play resources
UART Type	Quad Oxford UARTs with up to 128 bytes transmit and receive FIFO buffers for each port
Dimensions	Length: 14.699 cm/5.775" Height: 11.049 cm/4.350"
Environmental	Operating Temperature: 0° C to 70° C (32° F to 158° F) Storage Temperature: -55° C to 125° C (-67° F to 257° F)
Bus	5V PC/104- Plus
Power Requirements	5V@950 mA max., 160 mA min.
Software Compatibility	Windows 2000/XP and NT, QNX, Linux

Connect Tech's Titan/104-**Plus** combines the best in performance and design of full sized PCI bus devices with the rugged and compact form factor of PC/104.

PCI 2.3 and PC/104-**Plus** 2.0 compliant, the modular Titan/104-**Plus** cards include a PC/104 pass-through connector option for compatibility with legacy PC/104 cards.

Titan/104-**Plus** offers independent port configuration for baud rate and data bit options of 5, 6, 7, 8 and 9, as well as, 1, 1.5 and 2 stop bits. Select between odd and even parity.

The Titan/104-**Plus** is perfect for embedded applications such as industrial PCs, kiosks, military systems, aerospace, medical systems, POS devices and any system requiring fast data transfer speeds within a rugged form factor. These self-stacking cards are low on power consumption and function well in industrial environments.

Lifetime Warranty and free technical support is included.



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