

# 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

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



**Connect Tech Inc.**  
Industrial Strength Communications

42 Arrow Road  
Guelph, ON, Canada  
N1K 1S6  
www.connecttech.com

Phone: 1-519-836-1291  
Toll free (in North America): 1-800-426-8979  
Fax: 1-519-836-4878  
Email: sales@connecttech.com