



ModelS C32010T/PCI

C320 Turbo Multiport PCI Controller

Flexible Serial I/O Solution for Ever-Expanding Systems

Overview

The intelligent C320Turbo series, specially designed for flexibility, is an ideal multiport serial controller for PCs. It allows users to begin with a small-range system with 8 ports and expand up to 128 ports, depending on business growth. In addition, users have different options for connection modules such as COM port interface (RS-232 or RS-422). Any combination of these options is possible in one system. With high-speed I/O trunk design between the control board and connection module, the connection module can be located as far away as 100 meters. Since only one cable is needed, this ensures that one PC can control multiple remote serial devices with the least cost on cabling layout.

Features

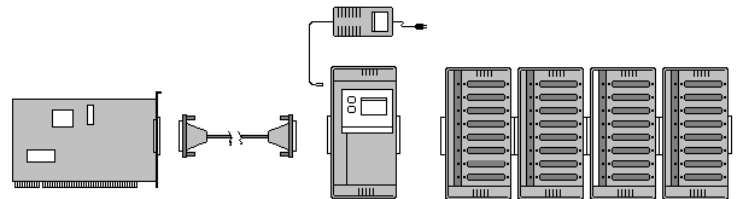
- Expands from 8 to 32 ports per board (max. 4 boards, 128 ports per system)
- Dual on-board RISC-based processors improve I/O performance
- Connection module's display panel provides operational status of each port
- Controls RS-232 devices 100-m away without using a repeater
- Compatible with Windows COM ports and UNIX tty ports
- Works perfectly with all major Operating Systems

Benefits

- Serves your expansion needs well into the future, protecting your investment
- Large on-board buffer for high-performance communication
- Provides true flexibility, with choice of connector type, COM port interface, and connection module

Applications

- Industrial automation
- Remote data acquisition
- Network console management
- Telecommunications
- Internet/Intranet server
- RAS (Remote Access Services)



Specifications

Control Board

Max. Number of Ports	32 per board (max. 4 boards, 128 ports per system)
Bus Interface	PCI (Spec. 2.1)
Processor	TMS320BC52 RISC processor
Memory	512 KB
IRQ	2, 3, 4, 5, 7, 10, 11, 12, 15
Power Requirement	0.44A (+5V)
Operating Temp.	32 – 131°F (0 – 55°C)
Operating Humidity	5 – 95%RH
Storage Temp.	-4 – 185°F (-20 – 85°C)
Regulatory Approvals	FCC, CE, BSMI

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OS Supported Windows XP, Windows 2000, Windows NT, Windows 95/98/ME, DOS, AT&T UNIX SVR4.2, MITUX SVR4.2, Unix Ware SVR4.2, Unix Ware7 SVR5, SCO Open Server, SCO UNIX, SCO XENIX, Linux 2.0.x (Intel x86), Linux 2.0.x (Alpha), Linux 2.2.x (Intel x86), Linux 2.2.x (Alpha), Linux 2.4.x (Intel x86), QNX 4.2.x

Basic Module (Rack Mount)

Speed 50 bps – 921.6 Kbps
Max. Number of Ports 16 (4 boards)

Extensive Module (Rack Mount)

Serial Interface 8/16 RS-232 (RJ45)
Speed 50 bps – 460.8 Kbps
Signals TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
I/O Controller 16C550C or compatible, each with 16 byte Tx/Rx FIFO

CPU Module (Desktop)

Processor TMS320BC52 RISC processor
LED Display COM port activity LEDs and diagnostic displays

UART Module (Desktop)

Serial Interface 8 RS-232 or RS-422
Signals RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND RS-422: TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND

Available Options

Surge Protection C32071T: 25 KV ESD, 2 KV EFT
Optical Isolation C32065T: 2 KV

Model: Description:

C32010T/PCI Control Board
PCI bus, control board
Software CD-ROM: contains drivers and PComm Lite serial comm development tool
User's Manual

C32020T Link Cable
DB25 to DB25 link cable (2 m)
Select C32050T if longer than 2 m

C32050T Long Range Extension Kit
For use when module is more than 2 meters from host
90 – 240V AC auto-selective power adapter and a 10-pin link cable

CPU Module (must choose one per Control Board)
C32030T CPU Desktop Connection Module

UART Module (must choose 1 to 4 UART modules per Control Board)
C32045T 8-port RS-232 extending module with female DB25 connectors
C32047T 8-port RS-232 extending module with male DB25 connectors
C32061T 8-port RS-422 extending module with female DB25 connectors
C32065T 8-port RS-422 extending module with female DB25 connectors; Optical isolation (2KV)
C32071T 8-port RS-232 extending module with female DB25 connectors; Surge protection (ESD 25KV)

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