

Intellio C320Turbo Multiport Controller

Flexible Serial I/O Solution for Ever-expanding System

Overview

The Intellio C320Turbo series is an ideal multiport serial controller for PC, particularly designed for flexibility. It allows users to begin with a small-range system with 8 ports and expand up to 128 ports depending on the business growth. In addition, users have various options for control boards (PCI or ISA), connection modules (rackmount or desktop), connector type (RJ45 or DB25), and COM port interface (RS-232 or RS-422). All combinations of options are possible in one system. Besides, with high speed I/O trunk design between control board and connection module, the connection module can be located as far as 100M away. This ensures that PC can control remote multiple serial devices with least cost on cabling layout (only one cable is needed).

Features

- Can control 8 to 128 serial devices, good for expandability
- Flexible connection module selection: rackmount (19") or desktop
- Can control RS-232 devices 100M away without using repeater
- Simplify the cabling layout when connecting remote devices
- Dual processors architecture to raise I/O performance
- Display panel on connection module shows working status of each port
- Compatible to Windows COM port and UNIX tty port
- Support most popular OS: Windows 2000, Windows NT, Windows 95/98, SCO UNIX, UNIX SVR4.2, Linux, QNX, OS/2, Solaris x86



C320Turbo/PCI



C320Turbo

Applications

- Remote access services (RAS)
- Internet/Intranet server
- Telecommunication
- Remote data acquisition
- Industrial automation

Intellio C320Turbo Multiport Controller

Flexible Serial I/O Solution for Ever-expanding System

Specification

Control Board

Max. no. of port	32 per board (max. 4 boards, 128 ports per system)
Bus interface	PCI (Spec. 2.1) or ISA
Processor	TMS320BC52 RISC processor
Memory	512KB
IRQ	2, 3, 4, 5, 7, 10, 11, 12, 15
Power requirement	C320Turbo/PCI: 0.925A(+5V) C320Turbo: 0.6A(+5V)
Operating temp.	0 ~ 55°C
OS supported	
C320Turbo/PCI:	Windows 2000, Windows NT, Windows 95/98, SCO UNIX, UNIX SVR4.2
C320Turbo:	Windows 2000, Windows NT, Windows 95/98, Windows 3.x, DOS, SCO UNIX, SCO XENIX, UNIX SVR4.2, Linux, QNX, OS/2, Solaris x86

Basic Module (Rackmount)

Serial interface	8 or 16 RS-232 (RJ45)
Speed	50 ~ 460.8K bps
Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
Processor	TMS320BC52 RISC processor
I/O controller	16C550C or compatible, each with 32 byte Tx/Rx FIFO
LED Display	COM port activity LEDs and diagnostic displays

Extensive Module (Rackmount)

Serial interface	8 or 16 RS-232 (RJ45)
Speed	50 ~ 460.8K bps
Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
I/O controller	16C550C or compatible, each with 32 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
Optical isolation	Optional

Ordering Information

Base Components

C32010T/PCI	<ul style="list-style-type: none">• PCI bus, control board• Windows NT, Windows 95/98, SCO UNIX, SVR4.2 drivers and manual (Linux driver by request)• MOXA PComm Lite serial comm developing tool
C32010T	<ul style="list-style-type: none">• ISA bus, control board• Windows NT, Windows 95/98, SCO UNIX, SVR4.2, Solaris x86 drivers and manual (Linux, QNX OS/2 drivers by request)• MOXA PComm Lite serial comm developing tool
C32020T	<ul style="list-style-type: none">• Link cable, 2m DB25 to DB25

Basic Module (must choose one per C32010T/PCI or C32010T)

Rackmount Connection Module

C32080T	8 ports RS-232 module RJ45 connectors, rackmount kit included
C32081T	16 ports RS-232 module, RJ45 connectors, rackmount kit included

Port	4	8	16	24	32
Interface	232	422	485		

Extensive Module (optional, max. no. of ports of Extensive and Basic Modules is 32)

C32082T	8 ports RS-232 module, RJ45 connectors, DB37 link cable and rackmount kit included
C32083T	16 ports RS-232 module, RJ45 connectors, DB37 link cable and rackmount kit included

Desktop Connection Module

CPU Module (must choose)

C32030T	CPU module
---------	------------

UART Module (At least one is needed)

C32045T	8 ports RS-232 extending module with female DB25 connectors
C32047T	8 ports RS-232 extending module with male DB25 connectors

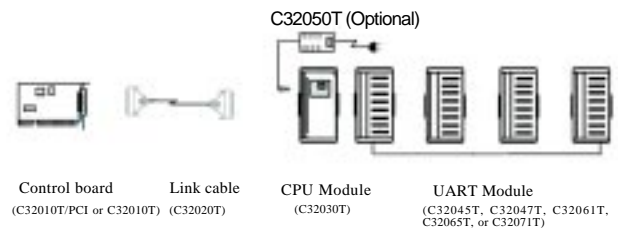
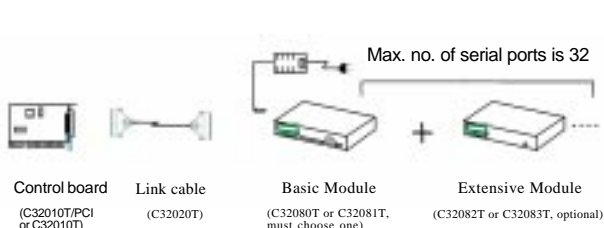
C32061T	8 ports RS-232 extending module with female DB25 connectors
C32065T	8 ports RS-422 extending module with optical isolation, female DB25 connectors
C32071T	8 ports RS-422 extending module with surge isolation, female DB25 connectors

Optional Accessories

C32050T	Long range extension kit when module is farther than 2m from host, 90 ~ 240V AC auto-selective power adapter and a 10 pin link cable
CN20030	150cm RJ45 to female DB25 RS-232 (DCE) cable
CN20040	150cm RJ45 to male DB25 RS-232 (DTE) cable

	C32010T/PCI	C32010T	C32030T	C32045T	C32047T	C32061T	C32065T	C32071T	C32080T	C32081T	C32082T	C32083T
Dimension (mm)	120 X 90 X 15	158 X 107 X 15	247 X 108 X 35	as left	as left	as left	as left	as left	270 x 160 x 445	as left	as left	as left
Weight (g)	90	120	425	500	485	488	525	525	1020	1120	920	1000
Power Requirement	0.925A(+5V)	0.6A(+5V)	0.5A(+5V)	1.1A(+5V) 0.12A(+12V) 0.15A(-12V)	1.1A(+5A) 0.15A(+12V) 0.1A(-12V)	0.3A(+5V)	0.63A(+5V)	0.3A(+5V) 0.1A(+12V) 0.05A(-12V)	0.6A(+5V) 0.12A(+12V) 0.15A(-12V)	0.7A(+5V) 0.24A(+12V) 0.3A(-12V)	0.1A(+5V) 0.12A(+12V) 0.15A(-12V)	0.2A(+5V) 0.24A(+12V) 0.3A(-12V)

Intellio C320Turbo Rackmount and Desktop Components



Intellio C320Turbo Rackmount Components

Intellio C320Turbo Desktop Components