**Multiport Serial Board Solutions**

C218Turbo Series

8-Port Intelligent RS-232 Universal PCI/ISA Boards

Features

- 8-port RS-232; Intelligent communication board
- Effectively reduces CPU loading
- Versatile OS driver support
- Various connection options
- Data transmission speed up to 921.6 Kbps
- Embedded memory up to 512 KB
- High throughput for great performance
- Compact PCI/ISA board size

C218Turbo/PCI
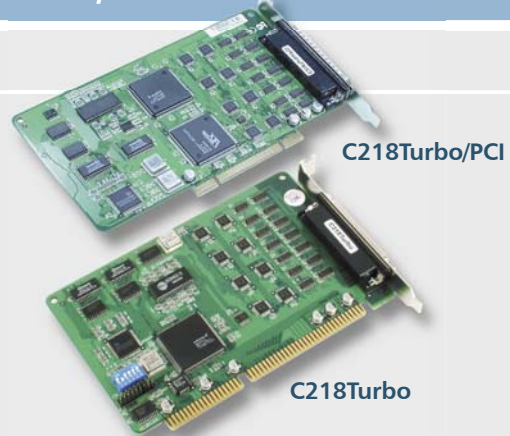
C218Turbo

Overview

The C218Turbo Series allows you to install additional RS-232 serial communication ports on your PC by providing 8 serial ports per board for connecting all types of serial devices. With its additional ASIC, RISC processor and large I/O buffer design, the C218Turbo Series can maintain a sustained high throughput on all eight ports simultaneously, while occupying only a small part of the host's processor time. And its versatile OS driver support truly fulfills the needs of our customers' varied applications. This product is available for use on either a PCI or ISA bus, with both types offering a reliable, high performance solution for serial multiport communications.

Supported OS Drivers

MOXA's COM port driver not only supports all major Operating Systems, but also the following dedicated OSs for customers' special needs.

DOS	**MITUX SVR4.2**
AT&T UNIX SVR4.2	**UnixWare SVR4.2**

UnixWare 7
SCO OpenServer
SCO UNIX
SCO XENIX
QNX 4.2x
Linux

Specifications

Hardware
Processor: TMS320BC203-57 RISC CPU
I/O controller: 16C550C or compatible x 8
Memory: 512 KB
Interface
Bus: 32-bit, Universal PCI
Performance
Speed: 50 bps to 921.6 Kbps
Max. No. of ports: 32 (4 boards)
Configuration
Parity: None, Even, Odd, Space, Mark
Data bits: 5, 6, 7, 8
IRQ: ISA: 2(9), 3, 4, 5, 7, 10, 11 (Default), 12, 15
     UPCI: BIOS assigned

OS Supported
Windows 95/98/ME/NT/2000/XP, Linux
(For more details, refer to the OS support section.)
Power and Environment
Power Requirements:
C218Turbo/PCI: 530 mA (+5V), 110 mA (+12V), 35 mA (-12V)
C218Turbo: 400 mA (+5V), 100 mA (+12V), 60 mA (-12V)
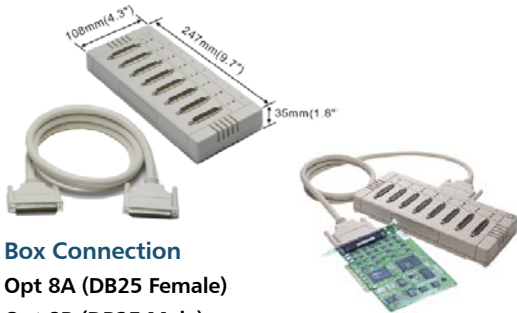**Operating Temperature:** 0 to 55℃
Regulatory Approvals: FCC, CE
Operating Humidity: 5 to 95% RH
Storage Temperature: -20 to 85℃
Dimensions: C218Turbo/PCI: 180 x 105 mm (W x D)
           C218Turbo: 170 x 115 mm (W x D)

Connection Options for C218Turbo Series

Box Connection

Opt 8A (DB25 Female)

Opt 8B (DB25 Male)

Opt 8S (DB25 Female with Surge Protection)

*TxD, RxD LED Indicators

*150 cm Connection Cable included

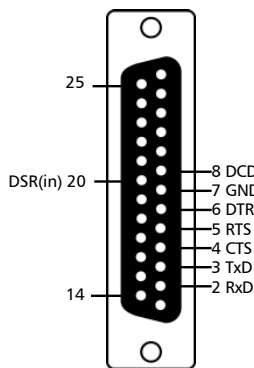**Cable Connection**

Opt 8C (DB25 Male)

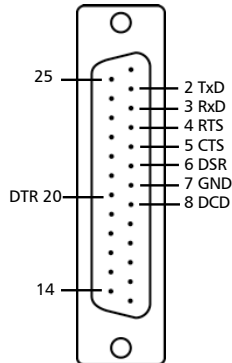Opt 8D (DB9 Male)

*100 cm cable length
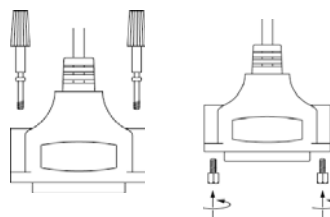
*Reversible Connector Header

Pin Assignment

DB25 Female (Opt8A/S)

25

DSR(in) 20

14

8 DCD
7 GND
6 DTR
5 RTS
4 CTS
3 TxD
2 RxD

DB25 Male (Opt8B/C)

25

DTR 20

14

2 TxD
3 RxD
4 RTS
5 CTS
6 DSR
7 GND
8 DCD

Bi-Directional Reversible Connector

* Connect to Female Connector

* Connect to Male Connector

DB9 Male (Opt8D)

DSR 6
RTS 7
CTS 8

1 DCD
2 RxD
3 TxD
4 DTR
5 GND
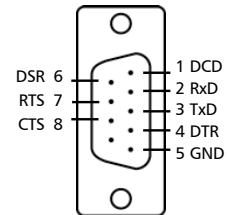
Onboard CPU means low host CPU loading and High Performance
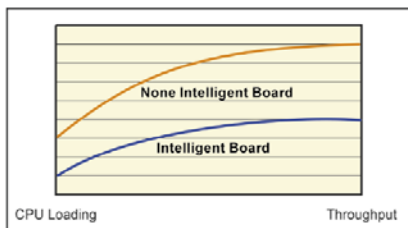
C218Turbo's onboard CPU and large dual-port memory can maintain a sustained 230.4 Kbps throughput on all eight ports simultaneously, while occupying just 5% of the host's processor time, freeing up more host resources for other tasks.

Ordering Information

C218Turbo/PCI: Universal PCI bus, 8-port intelligent serial board

C218Turbo: ISA bus, 8-port intelligent serial board

All items include: MOXA Software CD-ROM, User's Manual

Optional Connectors (choose one per board)

Opt8A: 8-port DB25 female connection box (connection cable included)

Opt8B: 8-port DB25 male connection box (connection cable included)

Opt8C: 8-port DB25 male connection cable

Opt8D: 8-port DB9 male connection cable

Opte8S: 8-port DB25 female connection box with surge protection

* Connection cable or box is an optional acessory

* For more connection box options, refer to pages 7-2, 7-3