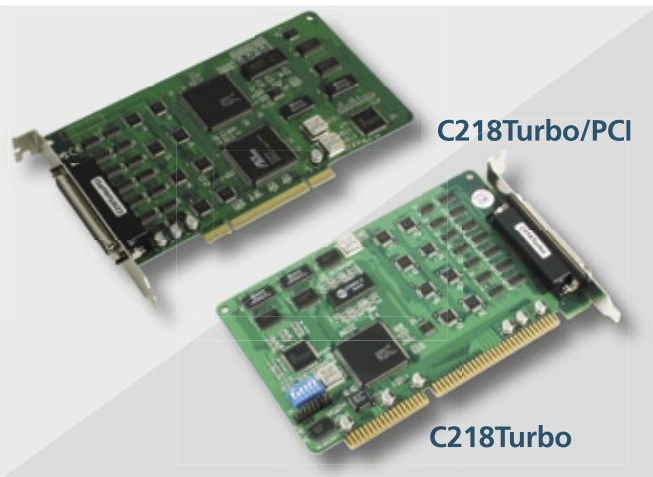


C218Turbo Series

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



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 operating systems for customers' special needs.

DOS

SCO UnixWare 2.1

UnixWare 7
 SCO OpenServer
 SCO UNIX
 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 or 16-bit ISA

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

Operating Systems:

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°C

Regulatory Approvals: CE Class A, FCC Class A

Operating Humidity: 5 to 95% RH

Storage Temperature: -20 to 85°C

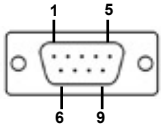
Dimensions:

C218Turbo/PCI: 180 x 105 mm (W x D)

C218Turbo: 170 x 115 mm (W x D)

Connection Options

Male DB9



PIN	DB9(M)	PIN	DB9(M)
1	DCD	5	GND
2	RxD	6	DSR
3	TxD	7	RTS
4	DTR	8	CTS

OPT8-M9

Male DB9 x 8, 150 cm Cable

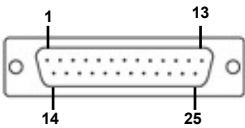


CBL-M62M9 x 8-100 (OPT8D)

Male DB9 x 8, 100 cm Cable



Male DB25



PIN	DB25(M)	PIN	DB25(M)
2	TxD	6	DSR
3	RxD	7	GND
4	RTS	8	DCD
5	CTS	20	DTR

OPT8B

Male DB25 x 8

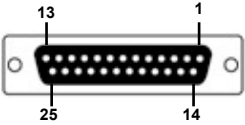


CBL-M62M25 x 8-100 (OPT8C)

Male DB25 x 8, 100 cm Cable



Female DB25



PIN	RS-232	PIN	RS-232
2	RxD	6	DTR
3	TxD	7	GND
4	CTS	8	DCD
5	RTS	20	DSR

PIN RS-422/4-wire RS-485

PIN	RS-422/4-wire RS-485
2	RxD+(B)
3	TxD+(B)
7	GND
14	RxD-(A)
16	TxD-(A)

PIN 2-wire RS-485

PIN	2-wire RS-485
2	Data+(B)
7	GND
14	Data-(A)

OPT8A

Female DB25 x 8, 150 cm Cable



OPT8S

Female DB25 x 8, 150 cm Cable
25 KV ESD Surge Protection



OPT8F/Z (RS-422)

Female DB25 x 8, 150 cm Cable
110V or 230V AC power Adaptor
(max. speed 115.2K bps)

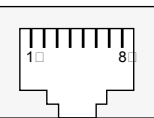


OPT8K (RS-422/485)

Female DB25 x 8, 150 cm Cable
110V or 230V AC power Adaptor
(max. speed 230.4K bps)



8-Pin RJ45



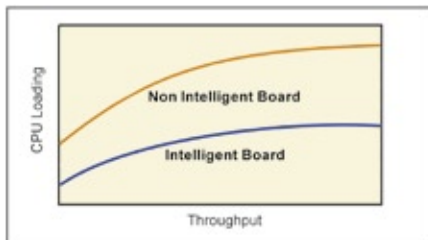
PIN	RJ45	PIN	RJ45
1	DSR	5	RxD
2	RTS	6	DCD
3	GND	7	CTS
4	TxD	8	DTR

OPT8-RJ45

8-pin RJ45 x 8, 30 cm Cable



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:

- C218Turbo/PCI or C218Turbo board with standard bracket
- Documentation & Software CD-ROM
- Quick Installation Guide

Optional Connectors (choose one per board)

***Refer to the Connection Options shown above.**