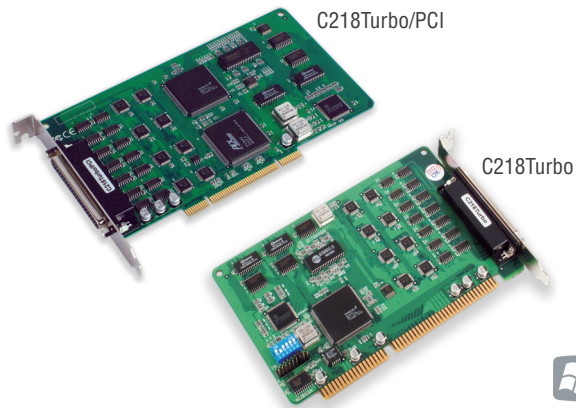


C218Turbo Series

8-port RS-232 intelligent Universal PCI and ISA serial boards



- > Effectively reduces CPU loading
- > Drivers provided for a variety of operating systems (Windows, Linux, and Unix)
- > Choose from a wide range of connection cables and boxes
- > 921.6 Kbps maximum baudrate for super fast data transmission
- > Provides up to 512 KB of embedded memory
- > High data throughput for great performance



Introduction

The 8-port C218Turbo RS-232 universal PCI and ISA boards come with an ASIC, RISC processor, and large I/O buffer to provide a sustained high throughput on all 8 ports simultaneously. Drivers are available for Windows, Linux, and Unix, making the boards suitable for

a wide range of applications. Models are available for PCI, PCI-X, and ISA buses to provide reliable, high performance solutions for multiport serial communications.

Specifications

Hardware

Comm. Controller: 16C550C or compatible x 8

Bus:

C218Turbo/PCI: 32-bit Universal PCI

C218Turbo: 16-bit ISA

Connector: DB62 female

Processor: TMS320BC203-57 RISC CPU

Memory: 512 KB

Serial Interface

Number of Ports: 8

Serial Standards: RS-232 (RS-422/485 with optional accessory)

Max. No. of Boards per PC: 4

Serial Line Protection

ESD Protection: 25 KV per port with connection box Opt8S (must be purchased separately)

Optical Isolation: 500 V with connection box Opt8F (must be purchased separately)

Performance

Baudrate: 50 bps to 921.6 Kbps

Serial Communication Parameters

Data Bits: 5, 6, 7, 8

Stop Bits: 1, 1.5, 2

Parity: None, Even, Odd, Space, Mark

Serial Signals

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

Driver Support

Operating Systems: Windows 9X/ME/NT/2000, Windows XP/2003/Vista/2008/7 x86/x64, DOS, Linux 2.4, Linux 2.6 x86/x64, SCO Open Server 5/6, UnixWare 7, QNX 4/6

Note: Please refer to Moxa's website for the latest driver support information.

Physical Characteristics

Dimensions: 105 x 180 mm (4.13 x 7.09 in)

Environmental Limits

Operating Temperature: 0 to 55°C (32 to 131°F)

Operating Humidity: 5 to 95% RH

Storage Temperature: -20 to 85°C (-4 to 185°F)

Regulatory Approvals

FCC: Part 15 Class A

EMS: EN61000-3-2, EN-61000-3-3, EN61000-6-1, EN61000-6-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 (DIPS)

Power Requirements

Power Consumption:

C218Turbo/PCI: 530 mA max. @ +5 V, 110 mA max. @ +12 V, 35 mA max. @ -12 V

C218Turbo: 400 mA max. @ +5 V, 100 mA max. @ +12 V, 60 mA max. @ -12 V

Warranty

Warranty Period: 5 years

Details: See www.moxa.com/warranty

Ordering Information

Available Models

C218Turbo/PCI: 8-port RS-232 intelligent Universal PCI serial board

C218Turbo: 8-port RS-232 intelligent ISA serial board

Package Checklist

- C218Turbo/PCI or C218Turbo board
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card

Connection Options (can be purchased separately)

OPT8-M9

DB9 male x 8 (150 cm cable)



CBL-M62M9x8-100 (OPT8D)

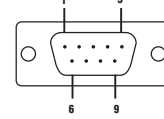
DB9 male x 8 (100 cm cable)



PIN	RS-232
1	DCD
2	RxD
3	TxD
4	DTR

PIN	RS-232
5	GND
6	DSR
7	RTS
8	CTS

DB9 male



OPT8B

DB25 male x 8 (150 cm cable)



CBL-M62M25x8-100 (OPT8C)

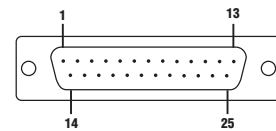
DB25 male x 8 (100 cm cable)



PIN	RS-232
2	TxD
3	RxD
4	RTS
5	CTS

PIN	RS-232
6	DSR
7	GND
8	DCD
20	DTR

DB25 male



OPT8A

DB25 female x 8 (150 cm cable)



OPT8S

DB25 female x 8 (150 cm cable)
25 KV ESD Surge Protection



OPT8F/Z (RS-422)

DB25 female x 8 (150 cm cable)
110 or 230 VAC power adaptor
(115.2 Kbps max. baudrate)



OPT8F with 500 V isolation

OPT8K (RS-422/485)

DB25 female x 8 (150 cm cable)
110 or 230 VAC power adaptor

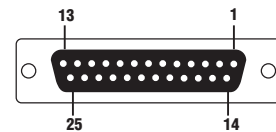


PIN	RS-232
2	RxD
3	TxD
4	CTS
5	RTS

PIN	RS-232
6	DTR
7	GND
8	DCD
20	DSR

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

DB25 female



OPT8-RJ45

8-pin RJ45 x 8 (30 cm cable)



PIN	RS-232
1	DSR
2	RTS
3	GND
4	TxD

PIN	RS-232
5	RxD
6	DCD
7	CTS
8	DTR

8-pin RJ45

