



MOXA Intelligent CP-204J

4 Port RS-232 Intelligent Multiport Board for Embedded Systems

Overview

The MOXA Intelligent CP-204J, which uses much less cabling than other systems, is specifically designed for embedded systems, PC-based machines, and other space-critical applications. Unlike the fan-out cable or external connection box used by most other products, the CP-204J board, with its built-in RJ45 bracket design, not only saves cable layout space but also reduces cost. Hence, it is suitable for PC-based embedded system applications such as POS, Kiosk, and ATM.

Other outstanding features of CP-204J, such as its state-of-the-art ASIC design, on-board RISC processor (TI TMS320) and large I/O buffer (512 KB), make it possible for CP-204J to use minimal system resources. This makes it suitable for applications that involve fast response transactions, as well as applications requiring reliable 24-hour service.

Features

- On-board RISC-based processor
- Large I/O buffer (512 KB)
- Low repair rate with ASIC design
- Built-in RJ-45 connectors on the bracket
- On-chip hardware flow control
- Available with PCI bus
- No switches or jumpers—easy to configure by software
- Works perfectly with all major Operating Systems

Benefits

- Compact design size, perfect for embedded systems
- More layout flexibility, saving cabling space and cost

Applications

- PC-based POS devices
- PC-based postal machines
- PC-based ATMs
- PC-based lottery machines
- PC-based kiosks
- Embedded industrial machines
- Other embedded system applications



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Ports Interface	1	2	4	8	16	32
RS-232			√			
RS-422						
RS-485						

Specifications

Hardware

Processor	TMS320C203 RISC processor
I/O controller	16C550C or compatible x 4, each with 16 byte Tx/Rx FIFO
Memory	512 KB
Connector type	RJ45

Interface

Bus	PCI ver. 2.1 (32 bit)
Serial	RS-232
No. of ports	4

Performance

Speed	50 bps – 921.6 Kbps
Max. No. of ports	16 (4 boards)

Configuration

Parity	None, even, odd, space, mark
Data bits	5, 6, 7, 8
Stop bits	1, 1.5, 2
IRQ	Assigned by BIOS

OS Supported

CP-204J	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 4.2x
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Power and Environment

Power requirements	390 mA (+5V), 40 mA (+12V), 70 mA (-12V)
Operating temp.	0 – 55°C
Operating Humidity	5 – 95%RH
Storage Temp.	-20 – 85°C
Dimensions	160 x 95 x 16 mm (W x D x H)
Regulatory approvals	FCC, CE

Ordering Information

CP-204J	<ul style="list-style-type: none"> • PCI bus, 4 port RJ45 intelligent RS-232 board • MOXA software CD-ROM: contains drivers, and MOXA PComm Lite serial comm development tool • User's Manual
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Optional Accessories

CN20030	150cm RJ45 to female DB25 RS-232 cable
CN20040	150cm RJ45 to male DB25 RS-232 cable
CN20060	150cm RJ45 to male DB9 RS-232 cable
CN20070	150cm RJ45 to female DB9 RS-232 cable



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