



Model CP204J

4-Port RS-232 Intelligent Board

for Embedded Systems

Overview

B&B's model CP-204J uses a lot less cabling than other systems and 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, with its built-in RJ45 bracket design, not only saves cable layout space, but also reduces cost. This makes it ideally suited 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 the CP-204J to use minimal system resources. This makes it suitable for applications that involve fast response transactions, as well as applications that must provide reliable 24-hour service.

Features

- On-board RISC-based processor
- Large I/O buffer (512 KB)
- Low repair rate with ASIC design
- Built-in RJ45 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

International Headquarters:

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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
Number of Ports	4

Performance

Speed	50 bps – 921.6 Kbps
Max. Number 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

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 (Alpha), Linux 2.4.x (Intel x86), QNX 4.2.x

Power and Environment

Power Requirements	390 mA (+5V), 40 mA (+12V), 70 mA (-12V)
Operating Temp.	32 – 131°F (0 – 55°C)
Operating Humidity	5 – 95%RH
Storage Temp.	-4 – 185°F (-20 – 85°C)
Dimensions	6.3W x 3.7D x 0.6H in (16.0 x 9.5 x 1.6 cm)
Regulatory Approvals	FCC, CE

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