

# Intellio CP-204J

4 Ports RS-232 Intelligent Multiport board for Embedded System

## Overview

The Intellio CP-204J is specifically designed for embedded systems, PC-based machines and any other space-critical applications. It is a superior cabling space saver. Unlike the fan-out cable or external connection box solutions that most other products provide, CP-204J, with the built-in RJ45 bracket design, saves not only the cable layout space but also the cost. Hence, it is suitable for applications such as embedded systems, POS, Kiosk, ATM machines and other PC-based embedded systems.

In addition, the other outstanding features like the state-of-the-art ASIC design, on-board RISC processor (TI TMS320) and large I/O buffer (512KB) make CP-204J utilize minimal system resources and thus suitable for fast response demanding transaction applications and high reliability requiring 24-hour service applications.

## Features

- On-board RISC-based CPU, low host processor overhead and low system load
  - High reliability of low repair rate with state-of-the-art ASIC design
  - Built-in RJ45 connectors on the bracket to deliver layout flexibility and save cabling space and cost.
  - Compact board size(half-size) design, perfect for PC-based embedded systems
  - On-chip hardware flow control and large I/O buffer, no data loss
- ANY IRQ, ANY address, no resource conflict headache  
No switch no jumper, easy to control (by software)



CP-204J

## Applications

- PC-based POS
- PC-based postal machine
- PC-based ATM machine
- PC-based lottery machine
- PC-based kiosk
- Embedded industrial machine
- Other embedded system application

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Port	2	4	8	16	32
Interface	232	422	485		

## Specification

### Hardware

Processor	TMS320C203 RISC processor
I/O controller	16C550C or compatible x 4, each with 32 byte Tx/Rx FIFO
Memory	512KB
Connector type	RJ45

### Interface

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

### Performance

Speed	50 ~ 921.6K bps
Max. no. of port	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 2000, Windows NT, Windows 95/98
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### Power and Environment

Power requirement	190mA(+5V), 90mA(+12V), 110mA(-12V)
Operating temp.	0 ~ 55°C
Dimension	160mm x 95mm x 16mm

## Ordering Information

CP-204J	<ul style="list-style-type: none"> <li>• PCI bus, 4 ports intelligent RS-232 board</li> <li>• Windows NT, Windows 95/98 drivers and manual</li> <li>• MOXA PComm Lite serial comm developing tool</li> </ul>
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### Optional Accessories

CN20030	150cm RJ45 to female DB25 RS-232 (DCE) cable
CN20040	150cm RJ45 to male DB25 RS-232 (DTE) cable

#### Distributeur

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