

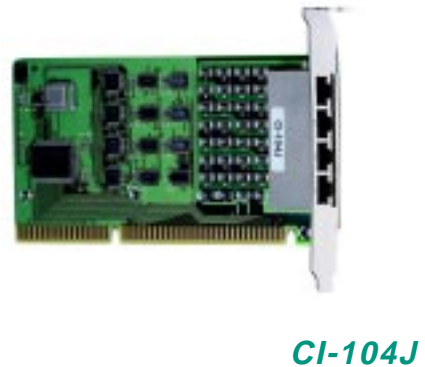
Smartio CI-104J Series

Easy-to-use 4 Ports RS-232 Board for Embedded System

Overview

The Smartio CI-104J is designed for people who look for easy-to-use 4 ports serial board. The differentiation compared with C104H series is that it is specifically designed for embedded systems, PC-based machines and any other space-critical applications. The CI-104J is a superior cabling space saver, which feature the built-in RJ45 bracket design to saves the cable layout space and 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 and on-chip hardware flow control guarantee low repair rate and fully data integrity and thus make CI-104J highly reliable and suitable for 24-hour service and transaction applications.



Features

- Built-in RJ45 connectors to deliver layout flexibility and save cabling space and cost
ASIC design in half-size, perfect for PC-based embedded systems
- High reliability of low repair rate with state-of-the-art ASIC design
- ANY IRQ, ANY address, no resource conflict headache
No switch no jumper, easy to control (by software)
- On-chip hardware flow control, no data loss
- High availability with surge protection option (max. 2KV)

Applications

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

Distributeur

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Port	2	4	8	16	32
Interface	232	422	485		

Specification

Hardware

I/O controller	16C550C or compatible x 4, each Tx/Rx
Connector type	FIFO with 16 bytes DB37 to male DB25 or DB9

Interface

Bus interface	ISA(16 bit)
Serial interface	RS-232
No. of port	

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	2(9), 3, 4, 5, 7, 10(Default), 11, 12, 15
I/O address	0x0000 ~ 0xFFFF Default: 0x180

OS supported

CI-104J	Windows 2000, Windows NT,
CI-104JS	Windows 95/98, Windows 3.x, DOS

Power and Environment

Power requirement	
CI-104J:	79mA max.(-12V),55mA max.(+12V), 100mA max.(+5V)
CI-104JS:	83mA max.(-12V),57mA max.(+12V), 100mA max.(+5V)
Operating temp.	0 ~ 55°C
Dimension	157mm x 83mm
Surge protection	25KV ESD (Optional)

Ordering Information

CI-104J	<ul style="list-style-type: none"> ISA bus, 4 ports RS-232 board Windows NT, Windows 95/98, DOS, Windows 3.x drivers and manual
CI-104JS	<ul style="list-style-type: none"> ISA bus, 4 ports RS-232 board with surge protection Windows NT, Windows 95/98, DOS, Windows 3.x drivers and manual
All items include	MOXA PComm Lite serial comm developing tool

Optional Accessories

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

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