Smartio **CI-104J Series**
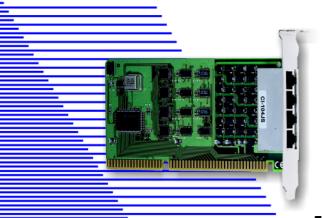
Easy-to-Use 4 Port RS-232 Board for POS Systems

Overview

The Smartio CI-104J series is designed for people looking for an easy-to-use four port serial board specifically designed for POS systems. This differentiates the CI-104J series from the C104H series. The CI-104J is a superior cabling space saver that features a built-in RJ45 bracket design to save cable layout space and to reduce cost, making it suitable for applications such as embedded systems, POS, Kiosk, ATM machines, and other PC-based embedded systems.

Other outstanding features of the CI-104J series, such as its state-of-the-art ASIC design and on-chip hardware flow control, guarantee a low repair rate and full data integrity, making the CI-104J highly reliable, and suitable for 24-hour service and transaction applications.
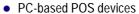
Features

- Low repair rate with ASIC design
- Built-in RJ45 connectors on the bracket
- Delivers fastest data transmission available, with speeds up to 921.6 Kbps
- On-chip hardware flow control
- Available with ISA bus
- No switches or jumpers—easy to configure by software
- Surge protection available
- Works perfectly with all major Operating Systems

Benefits

- Easy to use and very reliable
- Compact design size—perfect for PC-based embedded systems
- More layout flexibility, saving cabling space and cost

Applications

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

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

Specifications ■▬

Hardware

I/O controller	16C550C or compatible x 4, each with a 16 byte Tx/Rx FIFO
Connector type	RJ45

Interface

Bus	ISA (16 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	2 (9), 3, 4, 5, 7, 10 (Default), 11, 12, 15
I/O address	0x0000 – 0xFFFF, Default: 0x180

OS Supported

CI-104J CI-104JS	Windows XP, Windows 2000, Windows NT, Windows 95/98/ME, Windows 3.x, 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 4.2.x, FreeBSD

Power and Environment

Power requirements	CI-104J:	79mA max. (-12V), 55mA max. (+12V), 100mA max. (+5V)
	CI-104JS:	83 mA max. (-12V), 57 mA max. (+12V), 100 mA max. (+5V)

Operating temp.	0 – 55°C
Operating Humidity	5 – 95%RH
Storage Temp.	-20 – 85°C
Dimensions	157 x 83 mm (W x D)
Surge Protection	CI-104JS : 25 KV ESD for serial port
Regulatory approvals	FCC, CE

Ordering Information ■▬

CI-104J	• ISA bus, 4 port RS-232 board
CI-104JS	• ISA bus, 4 port RS-232 board with surge protection
All items include	• MOXA software CD-ROM: contains drivers, and MOXA PComm Lite serial comm development tool • User's Manual

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