C104H/HS

4-port RS-232 ISA serial boards

> Economical, compact ISA boards with 4 RS-232 ports
> 921.6 Kbps maximum baudrate for super fast data transmission
> 16-byte FIFO and on-chip H/W, S/W flow control
> Drivers provided for Windows (2000/XP/2003/Vista/2008, 9X/ ME/NT, 3.x), Windows XP Embedded, DOS, Linux 2.4, Linux 2.6 (x86/x64), QNX 4/6, FreeBSD 4/5, SCO OpenServer 5/6, UnixWare 7
> Easy configuration without switches or jumpers

The certification logos shown here apply to some or all of the products in this section. For details, see "Regulatory Approvals" under "Specifications" below.

Overview

The 4-port C104H/HS ISA boards offer users an economical, high performance multiport serial communication solution for connecting terminals, modems, printers, data acquisition equipment, and other serial devices to a PC. The boards are a top choice of industrial automation engineers and system integrators, and support many different operating systems, including Windows, Linux, and even Unix. In addition, each of the boards' 4 RS-232 ports supports a super fast 921.6 Kbps baudrate.

Specifications

Hardware

Comm. Controller: 16C550C or compatible x 4
Bus: 16-bit ISA
Connector: DB37 female

Serial Interface

Serial Standards: RS-232
Number of Ports: 4
Max. No. of Boards per PC: 4

Serial Line Protection

ESD Protection: 25 KV on the board (C104HS only)

Performance

Baudrate: 50 bps to 921.6 Kbps

Serial Communication Parameters

Data Bits: 5, 6, 7, 8
Stop Bits: 1, 1.5, 2
Parity: None, Even, Odd, Space, Mark
I/O Address: 0x0000-0xFFFF (default = 0x180)
IRQ: 2 (9), 3, 4, 5, 7, 10 (default), 11, 12, 15

Serial Signals

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

Driver Support

Operating Systems: Windows (2000/XP/2003/Vista/2008, 9X/ME/ NT, 3.x), Windows XP Embedded, DOS, Linux 2.4, Linux 2.6 (x86/ x64), QNX 4/6, FreeBSD 4/5, SCO OpenServer 5/6, UnixWare 7

Physical Characteristics

Dimensions: 83 x 157 mm (3.27 x 6.18 in)

Environmental Limits

Operating Temperature: 0 to 55°C (32 to 131°F)
Operating Humidity: 5 to 95% RH
Storage Temperature: -20 to 85°C (-4 to 185°F)

Regulatory Approvals

FCC: Part 15 Class A
EMS: EN55022, EN61000-4-2, EN61000-4-3, EN61000-4-4, ENV50204

Power Requirements

Power Consumption: 100 mA max. @ +5 V, 100 mA max. @ +12 V, 60 mA max. @ -12 V

Warranty

Warranty Period: 5 years
Details: See www.moxa.com/warranty

Ordering Information

Available Models

C104H: 4-port RS-232 ISA serial board
C104H-DB9M: 4-port RS-232 ISA serial board (includes DB9 male cable)
C104H-DB25M: 4-port RS-232 ISA serial board (includes DB25 male cable)
C104HS: 4-port RS-232 ISA serial board with surge protection
C104HS-DB9M: 4-port RS-232 ISA serial board with surge protection (includes DB9 male cable)
C104HS-DB25M: 4-port RS-232 ISA serial board with surge protection (includes DB25 male cable)

Connection Options (one cable is included with each board)

CBL-M37M9x4-30: DB37 male to DB9 male x 4 connection cable, 30 cm
CBL-M37M25x4-30: DB37 male to DB25 male x 4 connection cable, 30 cm

Package Checklist

- C104H or C104HS board
- DB9 male or DB25 male connection cable
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card