

# 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
- > 128-byte FIFO and on-chip H/W, S/W flow control
- > Drivers provided for Windows, Linux, and Unix
- > Easy configuration without switches or jumpers



The certification logos shown here apply to some or all of the products in this section. Please see the **Specifications** section or Moxa's website for details.

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Multiport Serial Boards > C104H/HS

### 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

**Number of Boards:** 4 per PC (max.)

#### 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, 9X/ME/NT, 3.x), DOS, Linux 2.4/2.6, QNX 4/6, FreeBSD 4/5

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

#### 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](http://www.moxa.com/warranty)

### Ordering Information

#### Available Models

**C104H:** 4-port RS-232 ISA serial board

**C104HS:** 4-port RS-232 ISA serial board with 25 KV surge protection

#### Optional Accessories (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
- Standard bracket
- DB9 male or DB25 male connection cable
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card