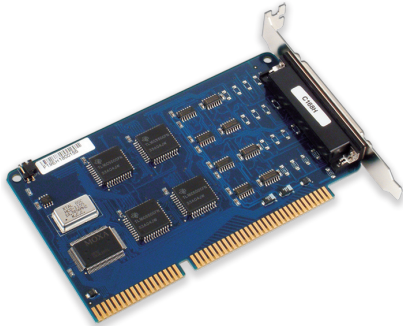


# C168H/HS

## 8-port RS-232 ISA serial boards



- > Compact ISA boards with 8 RS-232 ports
- > 921.6 Kbps maximum baudrate for super fast data transmission
- > 16-byte FIFO and on-chip H/W flow control
- > Choose from a wide range of connection cables and boxes
- > Drivers provided for Windows (2000/XP/2003/Vista/2008, 9X/ME/NT), Windows XP Embedded, DOS, Linux 2.4, Linux 2.6 (x86/x64), QNX 4/6, FreeBSD 4/5, SCO OpenServer 5/6, UnixWare 7, and Windows 7
- > Easy configuration without switches or jumpers



### : Overview

The 8-port C168H/HS ISA boards offer users a basic, 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 8 RS-232 ports supports a super fast 921.6 Kbps baudrate.

### : Specifications

#### Hardware

**Comm. Controller:** 16C550C or compatible x 8

**Bus:** 16-bit ISA

**Connector:** DB62 female

#### Serial Interface

**Number of Ports:** 8

**Serial Standards:** RS-232

**Max. No. of Boards per PC:** 4

#### Serial Line Protection

**ESD Protection:** 25 KV on the board (C168HS only)

**Optical Isolation:** 500 V with connector Opt8F (must be purchased separately)

#### 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 9X/ME/NT/2000, Windows XP/2003/Vista/2008/7 x86/x64, Windows XP Embedded, DOS, Linux 2.4, Linux 2.6 x86/x64, QNX 4/6, FreeBSD 4/5, SCO OpenServer 5/6, UnixWare 7  
*Note: Please refer to Moxa's website for the latest driver support information.*

#### Physical Characteristics

**Dimensions:** 93 x 157 mm (3.66 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:** 170 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

**C168H:** 8-port RS-232 ISA serial board

**C168HS:** 8-port RS-232 ISA serial board with surge protection

**Connection Options** (can be purchased separately)

**Choose from a wide selection of cables and boxes:** See page 10-41 for details

#### Package Checklist

- C168H or C168HS board
- Document and Software CD
- Quick Installation Guide (printed)
- Warranty Card