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
> 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.

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Multiport Serial Boards > C168H/HS

: 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 boards' 8 RS-232 ports support 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
Serial Standards: RS-232
Number of Ports: 8
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 (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

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

: 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