C104H/HS
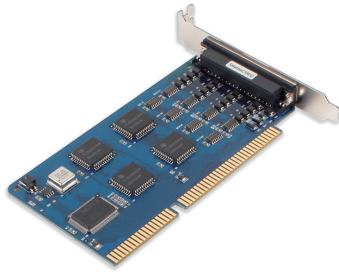
4-port RS-232 ISA serial boards

> Cost-effective, 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, Windows XP Embedded, DOS, Linux 2.4, 2.6, 3, QNX 4/6, FreeBSD, SCO OpenServer, UnixWare 7, Solaris 10
> Easy configuration, without switches or jumpers

PComm Lite

RoHS CE FC

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 they support many different operating systems, including Windows, Linux, and even Unix. In addition, each of the 4 RS-232 ports supports a superfast 921.6 kbps baudrate.

Specifications

Hardware
Comm. Controller: 16C550C or compatible x 4
Bus: 16-bit ISA
Connector: DB37 female
Serial Interface
Number of Ports: 4
Serial Standards: RS-232
Max. No. of Boards per PC: 4
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
Physical Characteristics
Dimensions: 83 x 157 mm (3.27 x 6.18 in)
Driver Support
Windows: Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1 (x86/x64), Windows 2008 R2/2012/2012 R2 (x64), Windows 3.x, DOS, Windows Embedded CE 5.0/6.0, Windows XP Embedded
Linux: Linux 2.4.x, 2.6.x, 3.x
Unix-like Systems: QNX 6, SCO OpenServer, UnixWare 7, Solaris 10, FreeBSD
Note: Please refer to Moxa's website for the latest driver support information.

Environmental Limits
Operating Temperature: 0 to 55°C (32 to 131°F)
Storage Temperature: -20 to 85°C (-4 to 185°F)
Ambient Relative Humidity: 5 to 95% (non-condensing)
Standards and Certifications
EMC: EN 55032/24
EMI: CISPR 32, FCC Part 15B Class B
EMS:
IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV
IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m
IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV
IEC 61000-4-5 Surge: Power: 2 kV
IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m
IEC 61000-4-8 PFMF
IEC 61000-4-11
MTBF (mean time between failures)
Time: 629,545 hrs
Standard: MIL-HDBK-217F
Power Requirements
Input Current: 100 mA @ +5 VDC; 100 mA @ +12 VDC; 60 mA @ -12 VDC
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 (CBL-M37M9x4-30 cable included)
C104H-DB25M: 4-port RS-232 ISA serial board (CBL-M37M25x4-30 cable included)
C104HS: 4-port RS-232 ISA serial board with surge protection
C104HS-DB9M: 4-port RS-232 ISA serial board with surge protection (CBL-M37M9x4-30 cable included)
C104HS-DB25M: 4-port RS-232 ISA serial board with surge protection (CBL-M37M25x4-30 cable included)

Connection Options (one cable is included with each board)
CBL-M37M9x4-30: M37 to 4 x DB9-M cable, 30 cm
CBL-M37M25x4-30: M37 to 4 x DB25-M cable, 30 cm

Package Checklist
- 1 C104H or C104HS board
- 1 connection cable (optional)
- Documentation and software CD
- Quick installation guide (printed)
- Warranty card