

- Embedded rugged computers
- -40° to 85° C
- Embedded operating systems
- COTS—high reliability

PC/104 3502 dual port, high speed module

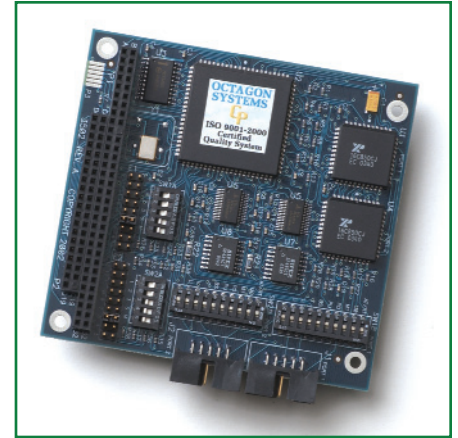
The 3502 PC/104 serial interface provides two serial ports, each individually configurable for RS-232, RS-422, or RS-485. The board is capable of data rates to 460.8K bps, and automatically handles RS-485 transmitter enable/disable. The 3502 utilizes 16C850 UARTs to provide 128-byte Tx/Rx FIFOs for maximum reliability in data intensive applications.

PC/104 cards plug into any system with a PC/104 interface. The Octagon family of PC/104 single board computers, expansion cards, and enclosures provides a complete solution for applications in transportation, security, military, communications, distributed control, point-of-sale, ticketing machines, weighing equipment, and other similar applications.



Certified Partner program

The 3502 is an Octagon Certified Partner product, which is guaranteed compatible with Octagon CPU cards. The 3502 will withstand high shock and vibration, and operates in temperature ranges from -20° to +70° C. This rugged expansion card will provide years of reliable service in the most challenging environments.



Octagon offers a line of PC/104 CPU modules, expansion cards and enclosures.

Features

RS-232C I/O:

- ◆ Two ports, individually configurable as eight-wire RS-232C; four-wire RS-422; or two-wire RS-485
- ◆ Programmable baud rate up to 460.8 Kbps (optional 1.2 MB max. baud rate available)
- ◆ 16C850 UART: 128-byte Tx/Rx FIFOs
- ◆ Designed for data intensive applications

RS-422/485 I/O:

- ◆ Two ports, individually configurable as eight-wire RS-232C, four-wire RS-422 or two-wire RS-485
- ◆ DIP switch termination, for multidrop use
- ◆ Designed for multipoint transmission on long bus lines in noisy environments
- ◆ 3-state driver and receiver outputs
- ◆ Operate from single 5V supply

BOARD:

- ◆ Selectable base address
- ◆ Selectable interrupts
- ◆ Compatible with most operating systems

CONNECTORS:

- ◆ Two 10-pin connectors; custom cable available with DB-9 header

ENVIRONMENTAL:

- ◆ -20° to 70° C operating
- ◆ -50° to 105° C nonoperating
- ◆ 10% to 90%, RH, noncondensing

SIZE & POWER:

- ◆ 3.550 in. x 3.775 in., PC/104 form factor
- ◆ 5V ± 5% at 220 mA

SOFTWARE DRIVERS:

- ◆ Linux 2.4
- ◆ DOS Int17
- ◆ Standard Windows® COM port 550 UART or custom DDK driver with configuration options

ORDERING INFORMATION

#6591 PC/104 3502 dual serial interface module

ACCESSORIES ORDERING INFORMATION

#6735 CA152 10-pin header to a DB-9M connector