

Quad/octal serial expansion card

The Micro PC 5554/5558 is designed for applications that require intensive serial communications such as protocol translation, multiple bar code readers and radio modems. The 5554 has four serial channels; the 5558 has eight. 16-byte transmit-and-receiver FIFOs minimize overhead by the control card. The 5554/5558 supports baud rates up to 115.2K.

Micro PC cards plug into any ISA expansion slot or Micro PC card cage. The Octagon family of Micro PC controllers, expansion cards, and card cages provide a complete solution for applications in transportation, security, military, communications, distributed control, point-of-sale, ticketing machines, weighing equipment, and other similar applications.

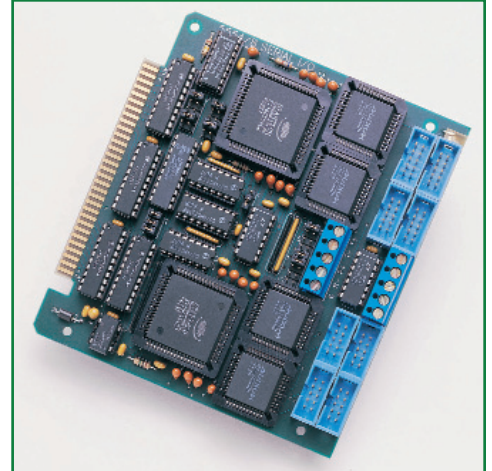
Octagon products are designed and manufactured under the supervision of an ISO 9001-2000 certified quality management system. The 5554/5558 will withstand high shock and vibration. It operates in temperature ranges from -40° to +85° C. This rugged expansion card will provide years of reliable service in the most challenging environments. This rugged expansion card will provide years of reliable service in the most challenging environments.

Features

SERIAL PORTS:

- ◆ Four serial ports (5554), eight serial ports (5558)
- ◆ 16C450 UART Compatible
- ◆ RS-232 on all ports; RS-422/485 available on COM3 and COM4
- ◆ 16-byte transmit-and-receiver FIFOs
- ◆ 5-, 6-, 7-, 8-bit word lengths, 1, 1.5 or 2 stop bits
- ◆ Software selectable baud rates up to 115.2K
- ◆ 10-pin connectors for RS-232

- ◆ Separate connector for RS-422/485 on COM3 and COM4
- ◆ Full or half duplex modes for RS-422/485
- ◆ Termination modes for RS-422/485
- ◆ LED to indicate any port access



INTERRUPTS:

- ◆ Jumper-configurable for IRQ3, 4, 5, 6, 7, or no interrupt
- ◆ For 5558 (eight serial ports), choice of one or two interrupts

BASE ADDRESS:

- ◆ Base address for the card is jumper-configurable for 100h, 140h, 180h, 1C0h

ENVIRONMENTAL & POWER:

- ◆ -40° to 85° C operating
- ◆ -50° to 85° C nonoperating
- ◆ 5% to 95%, RH, noncondensing
- ◆ 40g shock, 5g vibration, 3 axis
- ◆ Size 4.5" x 4.9" Micro PC form factor
- ◆ 5V ±5%, 350 mA typical

ORDERING INFORMATION

- #3584 5554 Quad serial card
- #3579 5558 Octal serial card