OCTAGON SYSTEMS
• 6510 W. 91st Ave • Westminster CO 80031 • USA
* PH: 303-430-1500 * FAX 303-412-2050

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

Ethernet LAN expansion card

The 5500 card is a high-performance node controller that executes the algorithms necessary for network operation, including buffer management, collision detection and error reporting. It also performs the Manchester encoding and decoding and serial/parallel data conversions of the serial interface device. It provides all the standard network interfaces (10 base–T, 10 base–2, AUI). The card will also accept a fiber–optic interface with the addition of a 12V supply. The Ethernet controller from SMC is certified Novell compatible.

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 5500 will withstand high shock and vibration, and operates in temperature ranges from –40° to +85° C. This rugged expansion card will provide years of reliable service in the most challenging environments.

Features

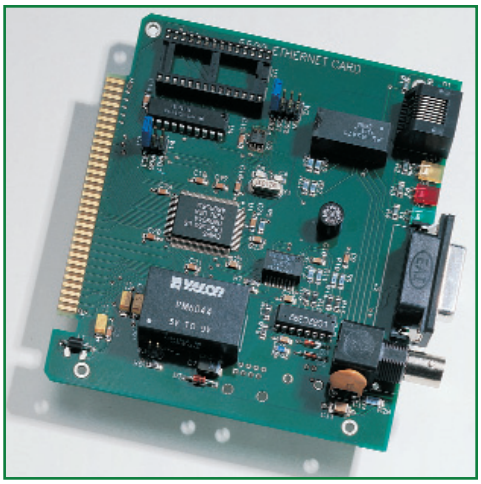
Ethernet interfaces:

- 10 base–T (twisted pair)
- 10 base–2 (coaxial)
- AUI (DB–15 connector) (optional)
- Fiber–optic interface with the addition of a 12V supply

Drivers included:

- LAN drivers for Novell Netware and Microsoft NDIS

Network management:



- Provides buffer management, collision detection and error reporting
- Performs Manchester encoding and decoding and serial/parallel data conversions of the serial interface device

System requirements:

- Intel 386 or higher
- All outputs tied to a common ground
- Dedicated digital I/O; 24 lines

Interrupts:

- Jumper selectable, IRQ2, 3, 4, 5, 6, 7, 10, 11

Environmental & power:

- –40° to 85° C operating
- –50° to 90° 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

#3759 5500 Ethernet LAN card