OCTAGON SYSTEMS
• 6510 W. 91st Ave • Westminster CO 80031 • USA
• Embedded rugged computers
• –40° to 85° C
• Embedded operating systems
• COTS—high reliability
* PH: 303-430-1500 * FAX 303-412-2050

ARCNET LAN expansion card



The 5560 is a controller for interconnecting processors and intelligent controllers using the ARCNET Local Area Network. Integrated into the card is a 2K, dual–ported RAM buffer allowing zero wait state operation in a PC system. The 5560 supports both coax and twisted interconnections. It is compatible with all standard ARCNET software.

The ARCNET LAN is a token–passing network that operates at a 2.5 Mbps data rate. This network protocol provides predictable response times, since each network event occurs within a known time interval. Throughput is reliably predetermined based on the number of nodes and the expected traffic.

There is a LED access indicator that flashes briefly when the card is read or written to. This feature is useful for troubleshooting. Another LED indicates LAN activity. The 5560 can be jumpered to one of eight addresses. There can be more than one card in a system.

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

LAN INTERFACES:

- Coax or twisted pair

TOPOLOGIES:

- Star, bus and daisy–chained configuration

MAXIMUM DATA RATE:

- 2.5 Mbps

DATA BUFFER:

- 2K bytes

ENVIRONMENTAL & POWER:

- –40° to 85° C operating
- –55° to 95° 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%, 240 mA typical

NOTE: The 5560 must be used with a a 386 or higher processor to be compatible with standard applications software.

ORDERING INFORMATION

#3707 5560 ARCNET LAN card

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www.octagonsystems.com