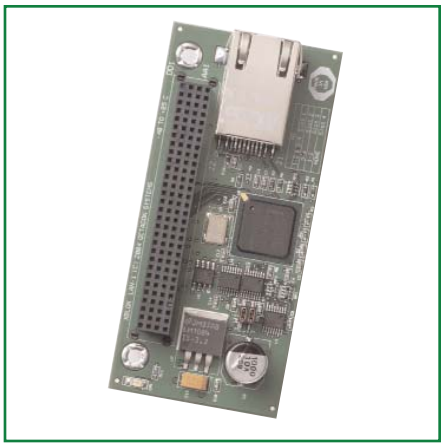


X–LAN–1 Ethernet LAN card from the XBLOK™ series

The X–LAN–1 Ethernet LAN card provides one IEEE 802.3–compliant Ethernet port. The card uses the Intel 82551ER chip, which has an internal 3K transmit and receive buffer. Two jumpers select one of four PCI slot addresses. Octagon products are designed and manufactured with exacting specifications under the supervision of a Quality Management System that is ISO 9001–2000 certified. This rugged expansion card will provide years of reliable service in the most challenging environments.



XBLOK products are 44 percent the size of a standard PC/104 module.

XBLOK form factor

XBLOK products are 44 percent the size of a standard PC/104 module. XBLOK cards use either the PC/104 connector for 8– or 16–bit access to the ISA Bus, or the PC/104–*Plus* connector for 32–bit access to the PCI Bus. The X–LAN–1 uses the PC/104–*Plus* connector. This allows designers to mix and match I/O functions while only taking up one stack layer. This compact interface board is a member of a family of Octagon products that provide specific functions for embedded PC/104 and PC/104–*Plus* systems.

See diagram for mounting position.

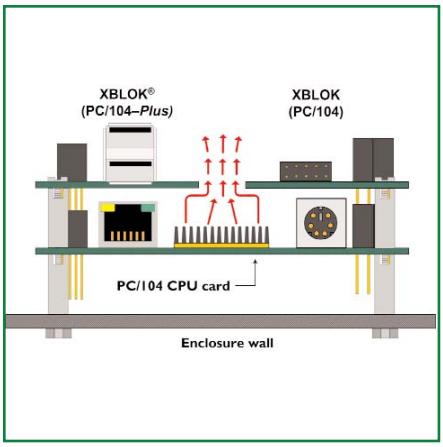


Diagram shows mounting scheme for using XBLOKs in PC/104 or PC/104–*Plus* systems.

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www.octagonsystems.com

Features

Ethernet interface:

- Provides one 10/100 Base–T interface; based on the Intel 82551ER Ethernet controller
- Supports the IEEE 802.3 Ethernet standard
- 3K transmit and receive FIFO buffer
- Auto–negotiation for speed, duplex and flow control
- Two status LEDs

PC/104–*Plus* interface:

- Connects to PC/104–*Plus* header
- 32–bit bus width, 33 MHz bus speed
- Two jumpers select one of four PCI slot addresses

Connectors:

- RJ–45, horizontal

Software drivers:

- Drivers for several operating systsems are provided on the "Octagon Products, manuals and Catalog CD."

Environmental:

- –40° to 85° C operating
- –55° to 95° C nonoperating
- 5% to 95%, RH, noncondensing
- Up to 40g shock, 3 axis
- Up to 5g vibration, 3 axis
- Size: 3.55" x 1.65" x 0.43", XBLOK form factor
- Mounting holes and connector are PC/104 compliant
- Power: 5V ±5%, 125 mA; power drawn from the PC/104–*Plus* connector

Ordering information

#6419 X–LAN–1 Ethernet LAN Card

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