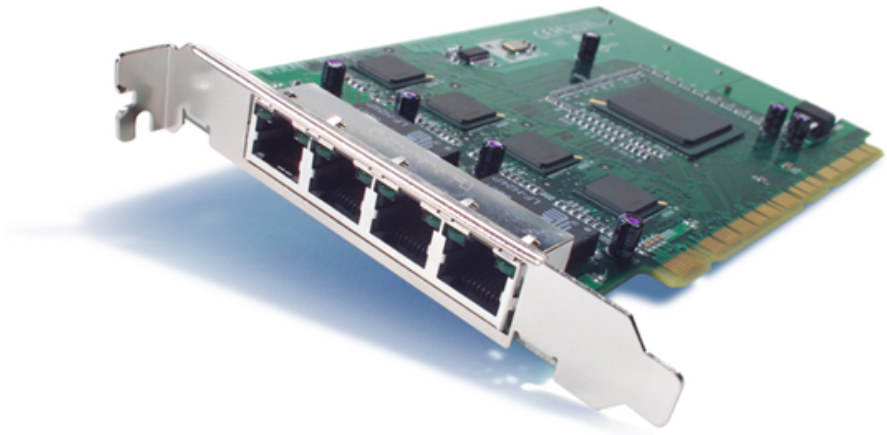
CISCO PIX 64-BIT/66-MHZ 4-PORT FAST ETHERNET INTERFACE CARD

The Cisco® PIX® 64-Bit/66-MHz 4-Port Fast Ethernet Interface Card delivers a high-performance PCI interface, increased port density per PCI slot, and easy integration with the market-leading Cisco PIX Security Appliance Series (Figure 1). For small to medium-sized business, large enterprise, and service provider networks, the Cisco PIX Security Appliance Series offers extensible solutions that provide robust, enterprise-class, integrated network security services with solid investment protection. This 4-port Fast Ethernet card takes full advantage of this extensibility, enabling enterprises to segment their networks and provide a wide-range of high-performance security services including stateful inspection firewalling, advanced application and protocol inspection, VPN, inline intrusion protection, and rich multimedia and voice security services in an easy-to-deploy solution.

Figure 1
Cisco PIX 64-Bit/66-MHz 4-Port Fast Ethernet Interface Card



NATIVE HIGH-PERFORMANCE BUS INTERFACE DRIVES SCALABLE SECURITY SERVICES

The Cisco PIX 64-Bit/66-MHz 4-Port Fast Ethernet Interface Card natively supports high-bandwidth 64-bit/66-MHz PCI bus interfaces, including those found in Cisco PIX 535 Security Appliances, enabling enterprises to deliver high-performance security services for rapidly evolving network environments that require Fast Ethernet connectivity. By providing compatibility with 32-bit/33-MHz PCI bus interfaces, this interface card can also be deployed within other modular models of the Cisco PIX Security Appliance Series. Part of

the family of high-performance, 64-bit/66-MHz PCI-enabled cards for the Cisco PIX Security Appliance Series, including the Cisco PIX VPN Acceleration Card Plus (VAC+) and the Cisco PIX Gigabit Ethernet Interface Card, the Cisco PIX 4-Port Fast Ethernet Interface Card allows enterprises to take full advantage of the high-performance architecture of Cisco PIX 535 Security Appliances, and deliver highly scalable security services for the most demanding enterprise environments.

MULTIPLE NETWORK INTERFACES FACILITATE ENHANCED NETWORK SECURITY

The Cisco PIX 64-Bit/66-MHz 4-Port Fast Ethernet Interface Card enables enterprises to physically separate/segment network traffic for improved security. Increased network segmentation allows enterprises to create separate security "zones," each with its own set of security policies. These zones can range from the Internet, internal corporate departments/sites, to network segments sometimes referred to as demilitarized zones (DMZs) which provide shared network services between two or more other zones.

Multiple interfaces on a single card conserve valuable PCI slot space and maximize throughput per slot. Plugging multiple cards into extensible Cisco PIX Security Appliances achieves overall higher port density and scales as customer requirements grow.

STANDARDS-BASED SOLUTION LOWERS TOTAL COST OF OWNERSHIP

The Cisco PIX 64-Bit/66-MHz 4-Port Fast Ethernet Interface Card conforms to Ethernet and Fast Ethernet standards. The card is automatically detected when installed in Cisco PIX Security Appliances, minimizing operating expenses while maximizing the return on networking investment.

FEATURES

- *Four 10/100 Mbps ports on a single card*—Increases the flexibility and overall port density of Cisco PIX Security Appliances
- *High-bandwidth performance*—66 MHz with 64-bit PCI addressing.
- *Compatible with Ethernet and Fast Ethernet standards*—Reduces training costs and eases rollout.
- *Scalable throughput*—Aggregates bandwidth to remove network bottlenecks.
- *Cisco PIX Security Appliance Software (Cisco PIX OS) auto-detection*—Simplifies installation and maintenance of network interface cards (NICs).
- *Deployment flexibility via simultaneous 10 Mbps and 100 Mbps interfaces*—Operates each port independently to support network segments at different speeds.
- *Self-configuring 10/100 Mbps performance*—Enables migration to faster networks easily and inexpensively. The card automatically senses when the network is able to support a faster speed, and self-configures to save IT staff time, money, and server downtime.
- Compatible with 32-bit/33-MHz PCI interfaces found on Cisco PIX 515, 515E, 520, 525 and 535 Security Appliances.
- Fully compatible with stateful failover to a Cisco PIX Security Appliance using a Cisco PIX 32-Bit/33-MHz 4-Port Fast Ethernet Card.

PERFORMANCE SUMMARY

Data rates supported per port: 10 and 100 Mbps, autonegotiation (half/full duplex)

SYSTEM REQUIREMENTS

Table 1 System Requirements

Description	Specification
Operating system	Cisco PIX Security Appliance Software versions 5.2(9), 6.0(4), 6.1(4), 6.2(2), and 6.3(1) or later
Platforms	Cisco PIX 515/515E, 520, 525, and 535 Security Appliance

PRODUCT SPECIFICATIONS

Table 2 Technical Specifications

Description	Specification
Processor	Four Intel 82559 processors
PCI interface	64-bit/66-MHz and 32-bit/33-MHz PCI Version 2.2 (short form)
Wiring	Category 5, 8-pair
Connectors	Four RJ-45 connectors
IEEE support	802.2 and 802.3
IEEE standard/network topology	10BASE-T, 100BASE-TX

Table 3 Power Requirements

Description	Specification
Power consumption	10W
Thermal dissipation	34.1 Btu/hr

Table 4 Physical and Environmental Specifications

Description	Specification
Operating Temperature	32 to 104˚F (0 to 40˚C)
Operating relative humidity	85 percent at 55˚C
Nonoperating Temperature	–40 to 158˚F (–40 to 70˚C)
Dimensions (H x D)	5 x 6.5 in. (16.31 x 8.26 cm)
Weight	0.3 lb (150 g)
Interfaces	Four 10/100 Fast Ethernet ports, autonegotiated (half/full duplex), RJ-45

Table 5 Regulatory Approvals

Description	Specification
Safety	UL 60950 CAN/CSA-C22.2 No.60950 EN 60950 IEC 60950 CE Marking
Electromagnetic Compatibility (EMC)	FCC Part 15 (CFR 47) Class A CISPR22 Class A ICES-003 Class A EN55022 Class A EN300386 EN55024 EN50082-1 EN61000-3-2 EN61000-3-3 EN61000-6-1 VCCI Class A AS/NZS 3548 Class A CE Marking

ORDERING INFORMATION

Table 6 Product Ordering Information

Part Number	Description
PIX-4FE-66	Cisco PIX 64-Bit/66-MHz 4-Port Fast Ethernet Interface Card

ADDITIONAL INFORMATION

For more information, please visit:

Cisco PIX Security Appliance Series:

http://www.cisco.com/go/pix

SAFE Blueprint from Cisco:

http://www.cisco.com/go/safe

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