

# Cisco PIX Firewall

## 66-MHz Gigabit Ethernet Card

### Overview

The 66-MHz Gigabit Ethernet (GE) card for the Cisco PIX Firewall provides a high-performance interface to firewalling, virtual private networking (VPN), and network address translation (NAT), to address both service provider and enterprise customer requirements. As an extension of the widely used Ethernet and Fast Ethernet standards, Gigabit Ethernet offers an easy and cost-effective way to increase network bandwidth while maintaining security policy.

### High Performance

The 66-MHz Gigabit Ethernet card enables Cisco PIX Firewalls to take full advantage of Gigabit Ethernet. PIX GE cards support data rates up to 1000 Mbps and are fully compliant with the IEEE 802.3z Gigabit Ethernet standard. By reducing latency, the card enables unparalleled throughput, so you get maximum return on your firewall investment. Available as a 33/66-MHz PCI interface, the Gigabit Ethernet card provides outstanding performance and scalability for your PIX Firewall. Combined with the Cisco PIX 535 Firewall's three-bus 33/66 MHz architecture, the GE 66 provides a performance boost that normal PC-based firewalls can't compete with. Using optical fiber cables you get not only a high-speed connection, but the added flexibility to place associated equipment as much as 550 meters apart.

### Easy Implementation

Cisco PIX Firewall 66-MHz Gigabit Ethernet cards combine high-speed networking with seamless integration. The cards utilize just one slot in your system, giving you maximum throughput per slot. And because the adapters are interoperable with your existing Ethernet equipment and systems, they ease migration and minimize operating expenses while maximizing the return on your networking investment. The PIX Gigabit Ethernet card can replace multiple 100-Mb/sec interfaces in congested networks, reducing administrative complexity and costs.

### Highlights

- Delivers ten times the bandwidth of Fast Ethernet.
- Industry-leading high bandwidth performance at 33/66-MHz, 32/64-bit addressing (PCI).
- Delivers high-performance network throughput with 1000BASE-SX Gigabit Ethernet.
- Supports full duplex mode.

## Performance Summary

Data rate(s) supported  
per port: 1000 Mbps

## System Requirements

Operating System: PIX OS v5.1(1) or later  
Platforms: PIX 520, 525, 535 Firewall

## Technical Specifications

Processor: Intel® 82543GC  
Random Access Memory: 64 KB of SDRAM  
PCI Interface: 32/64-bit, 33/66-MHz PCI v2.2  
(short form)  
Wiring: SX Multimode Fiber (62.5-50 m)  
Connectors: SC fiber optic connector  
IEEE support: 802.2 and 802.3z  
IEEE Standard/Network  
Topology: 1000BASE-SX

## Environmental

### Operating

Temperature: 32 to 131 F (0 to 55 C)  
Relative Humidity: 85% at 55 C

### Nonoperating

Temperature: -40 to 158 F (-40 to 70 C)

## Power

### Input

Power: 5W

## Dimensions and Weight

Height: 6.42 in. (16.31 cm)  
Depth: 3.25 in. (8.26 cm)  
Weight: 2.82 oz. (80 g)

## Certifications

Safety: UL 1950, C-UL, TUV, IEC 950, VDE-0805, EN 60950  
EMI: CE, VCCI class II, FCC, BCIQ, Aустel, BSMI,  
CISPR 22, EN55022, EN55024

## Ordering Information

PIX-1GE-66 66-MHz Gigabit Ethernet Interface,  
: Multimode (SX) SC

## Additional Information

For more information about PIX Firewall, go to:

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



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