

Cisco PIX 515E Firewall

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SYSTEMHAUS



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Non-new

incl serial console cable
including 19 "rackmount angle

The Cisco PIX ® 515E Firewall is a modular, convenient application, the small-to medium-sized enterprise networks, enterprise-class security features. With its versatile cabinet (height: 1 rack unit), which up to six 10/100 Fast Ethernet interfaces supported, the device an excellent choice for businesses requiring a cost-effective fault-tolerant solution with DMZ support. The user-friendly high-performance solution Cisco PIX 515E Firewall is part of the world's market-leading Cisco PIX Firewall Series and is equipped with sophisticated integrated security services, Hardware VPN acceleration capabilities, and powerful remote management features.

Features and advantages of this product:

Dedicated security device:

- Using a proprietary shielded operating system, in the case of multi-purpose operating systems, common security risks accounts

- Cisco quality and lack of moving parts ensure a very reliable security platform

Stateful Inspection Firewall:

- Provides comprehensive network security and prevents unauthorized network access
- Uses the latest Adaptive Security Algorithm (ASA) for stable Stateful inspection firewall services
- Provides flexible access control for more than 100 predefined applications, services and protocols and allows you to define custom applications and services
- Includes numerous application-aware inspection engines to secure advanced networking protocols such as H.323 v4, SIP, Cisco Skinny Client Control Protocol (SCCP), RTSP, and other ILS
- Includes content filtering for Java applets and ActiveX controls

Easy VPN Server:

- VPN remote-access concentrator services for up to 25 software or Hardware-based VPN clients

- When connection is enforced VPN policy push for Cisco Easy VPN Remote-enabled solutions dynamically. This ensures that always the latest security policies are enforced
- Support for the award-winning Cisco VPN client on multiple platforms such as Microsoft Windows, Apple Mac OS X, Red Hat Linux and Sun Solaris

Site-to-site VPN:

- Supports IKE and IPSec VPN standards
- Ensures confidentiality / security of data and strong Authentication to remote networks via the Internet

- Supports 56-bit DES, 168-bit 3DES and up to 256-bit AES Datenverschlüsselung, ensure the confidentiality of the data

Protection from attack:

Provides protection from more than 55 different types of attacks on networks of up to Malformed Packet Denial of Service (DoS) attacks

- Integrates with Cisco Network Detection System (IDS) sensors to block the hostile-minded network nodes via the firewall dynamically / ward

399 support:

- Integrates with popular authentication, authorization and accounting services through support for TACACS + and RADIUS
- Provides tight integration with Cisco Secure Access Control Server (ACS)

X.509 certificate and CRL support:

- Supports SCEP-based enrollment with leading X.509 solutions from Baltimore, Entrust, Microsoft, and VeriSign
- Integration with leading third-party solutions:

- Supports wide range of Cisco AVVID Partner Solutions (Architecture for Voice, Video and Integrated Data), URL filtering, Content filtering, virus protection, scalable remote management and much more to offer Virtual LAN (VLAN)-based virtual interfaces:
 - Provides more flexibility in defining security policies and simplifies overall integration into switched network environments, since the construction of a logical, based on IEEE 802.1q VLAN tags based interfaces and the creation of security policies on these virtual Interfaces are based, are supported
 - Supports multiple virtual interfaces with VLAN trunking on a single physical interface
 - Support for multiple VLAN trunks per Cisco PIX firewall
 - Supports up to 8 VLANs on Cisco PIX 515E firewalls
- Dynamic OSPF routing:
 - Provides comprehensive OSPF dynamic routing services based on the globally recognized Cisco IOS software
 - Improves network reliability through fast route convergence and secure, efficient route distribution
 - If due to the tight integration with the Cisco PIX Firewall NATDiensten in environments where NAT is used, a secure routing solution
 - Supports addition OSPF plain text authentication, MD5-based OSPFAuthentisierung to route spoofing and various routing-based DoS attacks to exclude
 - Provides route redistribution between OSPF processes, including static and connected routes and OSPFRouten
 - Supports load balancing between identical cost routes
- DHCP server:
 - Provides DHCP server services on one or more interfaces to Devices dynamically assign IP addresses
 - Includes extensions for support of Cisco IP phones and Cisco Softphone IP Telephony Solutions
- DHCP relay:
 - Sends DHCP requests from internal devices to a specific administrator DHCP server provides centralized and thus the distribution, Tracking and maintenance of IP addresses
- NAT / PAT support:
 - Provides comprehensive functions for dynamic / static NAT (Network Address Translation) and PAT (Port Address Translation)

Performance Overview

Cleartext throughput: 188 Mbit / s

Concurrent Connections: 130 000

168-bit 3DES IPsec VPN throughput: up to 140 Mbit / s with VAC + or 63 Mbit / s with AC

128-bit AES IPsec VPN throughput: up to 135 Mbit / s with VAC +

256-bit AES IPsec VPN throughput: up to 140 Mbit / s with VAC +

Simultaneous VPN tunnels: 2000

Specifications

Processor: 433 MHz Intel Celeron processor

RAM: 64 MB SDRAM

Flash Memory: 16 MB

Cache: 128 KB level 2 at 433 MHz

System bus: Single 32-bit, 33 MHz PCI bus

Extract from the boot sequence:

CISCO SYSTEMS PIX FIREWALL

Embedded BIOS Version 4.3.207 01/02/02 16:12:22.73

Compiled by morlee

64 MB of RAM

PCI Device Table.

```
Bus Dev Func VendiD DevID Class Irq
00 00 00 8086 7192 Host Bridge
00 07 00 8086 7110 ISA Bridge
00 07 01 8086 7111 IDE Controller
00 07 02 8086 7112 Serial Bus 9
00 07 03 8086 7113 PCI Bridge
00 0D 00 8086 1209 Ethernet 11
00 0E 00 8086 1209 Ethernet 10
00 11 00 8086 1229 Ethernet 11
```

```
Cisco Secure PIX Firewall BIOS (4.2) # 0: Mon Dec 31 08:34:35 PST 2001
Platform PIX-515E
System Flash = @ E28F128J3 0xffff00000
```

Use BREAK or ESC to interrupt flash boot.
Use SPACE to begin flash boot immediately.
Reading 123 392 bytes of image fro

PIX Flash Load Helper

```

Initializing flashfs ...
flashfs [0]: 10 files, 3 directories
flashfs [0]: 0 orphaned files, 0 orphaned directories
flashfs [0]: Total bytes: 16.128 million
flashfs [0]: Bytes used: 12.41088 million
flashfs [0]: Bytes available: 3.71712 million
flashfs [0]: Initialization complete.

```

Reading image flash :/ pix712.bin

Launching image flash :/ pix712.bin

[illegible]

64MB RAM

Total NICs found: 3

i82559 Ethernet at irq 11 mcwa MAC: edited by admin
mcwa i82559 Ethernet at irq 10 MAC: edited by admin
i82559 Ethernet at irq 11 mcwa MAC: edited by admin

BIOS Flash = @ am29f400b 0xD8000

Initializing flashfs ...

flashfs [7]: 10 files, 3 directories

flashfs [7]: 0 orphaned files, 0 orphaned directories

flashfs [7]: Total bytes: 16.128 million

flashfs [7]: Bytes used: 12.41088 million

flashfs [7]: Bytes available: 3.71712 million

flashfs [7]: flashfs fsck took 13 seconds.

flashfs [7]: Initialization complete.

Need to burn lo

Erasing sector 0 .. [OK]

Burning sector 0 .. [OK]

Licensed features for this platform:

Maximum Physical Interfaces: 3

Maximum VLANs: 10

Inside Hosts: Unlimited

Failover: Disabled

VPN-DES: Enabled

VPN-3DES-AES: Enabled

Cut-through Proxy: Enabled

Guards: Enabled

URL Filtering: Enabled

Security Contexts: 0

GTP / GPRS: Disabled

VPN Peers:



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