

CISCO PIX SECURITY APPLIANCES

AT-A-GLANCE



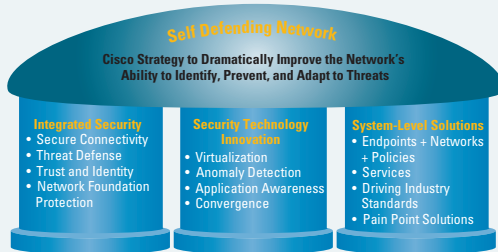
CISCO PIX SECURITY APPLIANCES AND THE CISCO SELF-DEFENDING NETWORK

The market-leading Cisco PIX® Security Appliance Series delivers robust user and application policy enforcement, multi-vector attack protection, and secure connectivity services in cost-effective, easy-to-deploy solutions. These purpose-built appliances provide a wealth of integrated security and networking services, including:

- Advanced application-aware firewall services
- Market-leading Voice-over-IP (VoIP) and multimedia security
- Robust site-to-site and remote access IP Security (IPSec) VPN connectivity
- Award-winning resiliency
- Intelligent networking services
- Flexible management solutions

Ranging from compact, “plug-and-play” desktop appliances for small and home offices to modular gigabit appliances with superior investment protection for enterprise and service-provider environments, Cisco PIX Security Appliances provide robust security, performance, and reliability for network environments of all sizes.

As a primary component of the Cisco Self-Defending Network, every Cisco PIX Security Appliance provides multilayered security services to protect next-generation networks. The Cisco Self-Defending Network is a critical part of the intelligent information network and represents Cisco Systems’ long-term strategy to enable organizations to identify, prevent, and adapt to threats.



Cisco PIX Security Appliances and the Cisco Self-Defending Network

Application Protection <ul style="list-style-type: none"> • 30+ Inspection Engines • Customizable Instant Messaging and Peer-to-Peer Traffic Filtering 	Dynamic Network Integration <ul style="list-style-type: none"> • Security Contexts • Transparent Firewall • Stateful Active/Active Failover
Secure Connectivity <ul style="list-style-type: none"> • Secure VoIP • IPSec (AES, 3DES, DES) • Stateful VPN Failover 	Threat Defense <ul style="list-style-type: none"> • Multi-Vector Attack Protection • Flow-Based Access Control • Event Monitoring Solutions

CISCO PIX SECURITY APPLIANCE VERSION 7.0 HIGHLIGHTS

Fortify Business Protection with Rich Application Control

- Deep inspection firewall services for HTTP, FTP, Extended Simple Mail Transport Protocol (ESMTP), and more
- Instant messaging, peer-to-peer, and tunneling application blocking
- Cisco Modular Policy Framework with flow-based security policies
- Virtual firewall services
- Layer 2 transparent firewall
- 3G Mobile Wireless security services

Cost-Effectively Connect Networks and Mobile Users

- VPN client security posture enforcement
- Automatic VPN client software updating
- Open Shortest Path First (OSPF) dynamic routing over VPN tunnels

Maximize Business Uptime

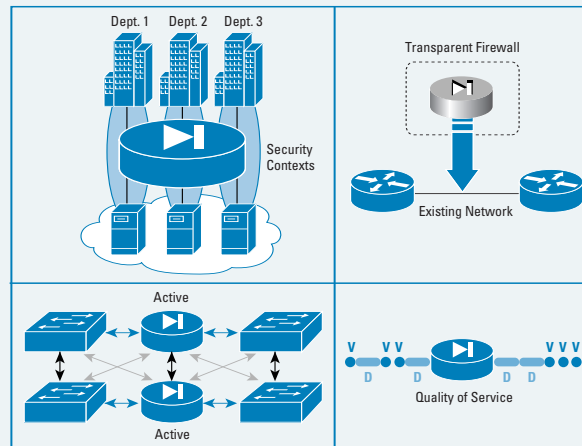
- Active/Active failover with asymmetric routing support
- Remote access and site-to-site VPN stateful failover
- Zero-downtime software upgrades

Simplify Deployment with Smooth Network Integration

- Protocol Independent Multicast (PIM) routing
- Quality of Service (QoS)
- IPv6 networking

Lower Operational Costs

- SSHv2 and SNMPv2c
- Configuration rollback
- Usability enhancements



FOR MORE INFORMATION
<http://www.cisco.com/go/pix>

PRODUCT LINE OVERVIEW

Cisco PIX Security Appliances integrate a broad range of advanced firewall services to protect businesses from threats lurking on the Internet and in today’s network environments. As a secure foundation, Cisco PIX Security Appliances provide rich stateful inspection firewall services, tracking the state of all network communications and preventing unauthorized network access. Building upon those services, Cisco PIX Security Appliances deliver strong application layer security through intelligent, application-aware inspection engines that examine network flows at Layers 4-7.

Cisco PIX Security Appliances provide market-leading protection for a wide range of VoIP and other multimedia standards. This allows businesses to securely take advantage of the many benefits that converged data, voice, and video networks provide, including improved productivity, lower operational costs, and increased competitive advantage.

Using the full-featured VPN capabilities of Cisco PIX Security Appliances, businesses can securely connect networks and mobile users worldwide across low-cost Internet connections. Solutions supported range from standards-based site-to-site VPN using the Internet Key Exchange (IKE) and IPSec VPN standards, to the innovative Cisco Easy VPN remote-access capabilities found in Cisco PIX Security Appliances and other Cisco Systems security solutions—such as Cisco IOS® routers and Cisco VPN 3000 Series Concentrators.

Select Cisco PIX Security Appliance models provide award-winning stateful failover services that help ensure resilient network protection for enterprise network environments. Businesses can deploy Cisco PIX Security Appliances using an Active/Standby failover design or a more advanced Active/Active failover design, which supports complex network environments that require asymmetric routing support.

Administrators can easily integrate Cisco PIX Security Appliances into switched and routed network environments by taking advantage of native 802.1q-based VLAN and OSPF support. Mission-critical real-time enterprise applications, collaborative computing applications, and streaming multimedia services can be securely delivered using the comprehensive PIM-Sparse Mode v2 and bidirectional-PIM routing support provided by Cisco PIX Security Appliances.

Cisco PIX Security Appliances deliver a wealth of configuration, monitoring, and troubleshooting options, giving businesses the flexibility to use the options that best meet their needs. Management solutions range from centralized, policy-based management tools to integrated, Web-based management, to support for remote-monitoring protocols such as SNMP and syslog. The integrated Cisco Adaptive Security Device Manager provides a world-class Web-based management interface that greatly simplifies the deployment, on-going configuration, and monitoring of a single Cisco PIX Security Appliance.

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Cisco PIX Security Appliance Model	501 10 Users	501 50 Users	501 Unlimited Users	506E	515E R/DMZ	515E UR/FO/FO-AA	525 R	525 UR/FO/FO-AA	535 R	535 UR/FO/FO-AA
Cisco PIX Security Appliance Software Version	6.3(4)	6.3(4)	6.3(4)	6.3(4)	7.0(1)	7.0(1)	7.0(1)	7.0(1)	7.0(1)	7.0(1)
Market	SOHO	SOHO	SOHO	ROBO	SMB	SMB	Enterprise	Enterprise	Enterprise	Enterprise
Licensed users	10	50	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Technical Specifications										
Processor (MHz)	133	133	133	300	433	433	600	600	1000	1000
Shipping RAM (MB)	16	16	16	32	64*	128*	128	256	512	1024
Flash (MB)	8	8	8	8	16	16	16	16	16	16
Integrated 10/100 ports	1+4-port Switch	1+4-port Switch	1+4-port Switch	2	2/3	2	2	2	2	2
Integrated VPN acceleration	N/A	N/A	N/A	N/A	No	Yes	No	Yes	No	Yes
PCI expansion slots	–	–	–	–	2	2	3	3	9	9
Maximum physical interfaces	1+4-port Switch	1+4-port Switch	1+4-port Switch	2	3	6	6	10	8	14
Maximum virtual interfaces (VLANs)	0	0	0	2 (DMZ)	10	25	25	100	50	200
Software Features										
High-availability support	No	No	No	No	No	A/S, A/A**	No	A/S, A/A**	No	A/S, A/A**
Layer 2 transparent firewalling	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Security contexts (included/maximum)	No	No	No	No	No	Yes, 2/5***	No	Yes, 2/50***	No	Yes, 2/100***
GTP/GPRS inspection	No	No	No	No	No	Yes***	No	Yes***	No	Yes***
OSPF support	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VLAN support	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cisco Easy VPN Remote (hardware VPN client)	Yes	Yes	Yes	Yes	No	No	No	No	No	No
Cisco Easy VPN Server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Performance Summary										
Bidirectional firewall throughput (Mbps)	60	60	60	100	190	190	330	330	1,650	1,650
3DES throughput (Mbps); VAC/VAC+	3	3	3	15	20	60/130	30	70/145	50	100/425
AES-128 throughput (Mbps); VAC+	4.5	4.5	4.5	30	45	130	65	135	110	495
AES-256 throughput (Mbps); VAC+	3.4	3.4	3.4	25	35	130	50	135	90	425
Maximum connections	7,500	7,500	7,500	25,000	48,000	130,000	140,000	280,000	250,000	500,000
Maximum VPN peers	10	10	10	25	–	2,000	–	2,000	–	2,000

* Cisco PIX 515/515E Security Appliances will require additional memory to run Cisco PIX Security Appliance Software Version 7.0(1)

** Requires Cisco PIX Security Appliance Software Version 7.0(1) or higher; A/A high availability requires one UR and one FO-AA unit (A/S = Active/Standby; A/A = Active/Active)

*** Licensed feature, requires Cisco PIX Security Appliance Software Version 7.0(1) or higher