

# Comparison between Cisco PIX 500 series and Cisco 5500 series.

The Cisco® ASA 5500 Series Adaptive Security Appliances deliver a powerful combination of multiple market-proven technologies in a single platform, making it operationally and economically feasible for organizations to deploy comprehensive security services to more locations. Migrate your Cisco PIX® Security Appliance to the Cisco ASA 5500 Series today for converged, multifunction security and VPN services within a single platform.

## Primary Business Factors

### Flexible Deployment Options

Customized product editions tailored to address specific enterprise needs

- Firewall Edition
- VPN Edition

### Lower Total Operating Expenditures (OpEx)

Unified device management and monitoring results in lower overall installation and servicing costs. A single platform decreases complexity and simplifies deployments and ongoing support.

### The Leasing Advantage

Take advantage of leasing to further reduce costs and deliver new solutions now.



## Primary Technology Factors

### Trusted Firewall and Threat-Protected VPN Technology

Built upon trusted Cisco PIX Security Appliance and Cisco VPN 3000 Series Concentrator technology, the Cisco ASA 5500 Series is the first solution to offer Secure Sockets Layer (SSL) and IP Security (IPsec) VPN services protected by market-leading firewall technology.

### Consistent User Experience

The Cisco ASA 5500 Series takes advantage of customers' existing knowledge of Cisco PIX Security Appliances for easy migration to Cisco ASA 5500 solutions.

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Cisco PIX Security Appliance Model	Cisco ASA 5500 Series Part Numbers	Cisco ASA 5500 Description
<b>Cisco PIX 501 10 Users</b>		
	ASA5505-K8	Cisco ASA 5505 Firewall Edition 10-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, DES
	ASA5505-BUN-K9	Cisco ASA 5505 Firewall Edition 10-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5505-50-BUN-K9	Cisco ASA 5505 Firewall Edition 50-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
<b>Cisco PIX 501 50 Users</b>		
	ASA5505-50-BUN-K9	Cisco ASA 5505 Firewall Edition 50-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
	ASA5505-UL-BUN-K9	Cisco ASA 5505 Firewall Edition Unlimited-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
<b>Cisco PIX 501 Unlimited Users</b>		
	ASA5505-UL-BUN-K9	Cisco ASA 5505 Firewall Edition Unlimited-user, 8-port Fast Ethernet switch, 10 IPsec VPN and 2 SSL VPN peers, 3DES/AES
<b>Cisco PIX 506E</b>		
	ASA5505-SSL25-K9	Cisco ASA 5505 VPN Edition, 25 IPsec VPN and 25 SSL VPN peers, firewall services, 8-port Fast Ethernet switch, Security Plus license
	ASA5510-K8	Cisco ASA 5510 Firewall Edition, 3 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, DES
	ASA5510-BUN-K9	Cisco ASA 5510 Firewall Edition, 3 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, 3DES/AES
<b>Cisco PIX 515E R/DMZ/ Cisco PIX 15E UR/FO/FO-AA</b>		
	ASA5510-K8	Cisco ASA 5510 Firewall Edition, 3 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, DES
	ASA5510-BUN-K9	Cisco ASA 5510 Firewall Edition, 3 Fast Ethernet ports, 250 IPsec VPN and 2 SSL VPN peers, 3DES/AES

Cisco PIX Security Appliance Model	Cisco ASA 5500 Series Part Numbers	Cisco ASA 5500 Description
Cisco PIX 520 End of Life as of June 2006)		
	ASA5520-K8	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, DES
	ASA5520-BUN-K9	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, 3DES/AES
Cisco PIX 525R		
	ASA5520-K8	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, DES
	ASA5520-BUN-K9	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, 3DES/AES
Cisco PIX 525 UR/FO/FO-AA		
	ASA5520-K8	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, DES
	ASA5520-BUN-K9	Cisco ASA 5520 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 750 IPsec VPN and 2 SSL VPN peers, Active/Active and Active/Standby high availability, 3DES/AES
	ASA5540-K8	Cisco ASA 5540 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 5000 IPsec VPN and 2 SSL VPN peers, DES
	ASA5540-BUN-K9	Cisco ASA 5540 Firewall Edition, 4 Gigabit Ethernet ports + 1 Fast Ethernet interface, 5000 IPsec VPN and 2 SSL VPN peers, 3DES/AES
Cisco PIX 535		
	ASA5550-K8	Cisco ASA 5550 Firewall Edition, 8 Gigabit Ethernet ports + 1 Fast Ethernet interface, 4 Gigabit SFP ports, 5000 IPsec VPN and 2 SSL VPN peers, DES
	ASA5550-BUN-K9	Cisco ASA 5550 Firewall Edition, 8 Gigabit Ethernet ports + 1 Fast Ethernet interface, 4 Gigabit SFP ports, 5000 IPsec VPN and 2 SSL VPN peers, 3DES/AES

## Product Specifications

	Cisco ASA 5505	Cisco ASA 5510	Cisco ASA 5520	Cisco ASA 5540	Cisco ASA 5550
<b>Users and nodes</b>	10, 50 or unlimited	Unlimited	Unlimited	Unlimited	Unlimited
<b>Firewall throughput</b>	Up to 150Mbps	Up to 300 Mbps	Up to 450 Mbps	Up to 650 Mbps	Up to 12Gbps
<b>Concurrent threat mitigation throughput (firewall + IPS services)</b>	Not available	Up to 150 Mbps with Cisco ASA 5500 Series Advanced Inspection and Prevention Security Services Module (AIP SSM) 10 (part number AIP-SSM-10); Up to 300 Mbps with Cisco ASA 5500 Series AIP SSM 20 (part number AIP-SSM-20)	Up to 225 Mbps with AIP-SSM-10; Up to 375 Mbps with AIP-SSM-20	Up to 450 Mbps with AIP-SSM-20	Not available
<b>3DES/AES VPN throughput</b>	Up to 100 Mbps	Up to 170 Mbps	Up to 225 Mbps	Up to 325 Mbps	Up to 360 Mbps
<b>IPsec VPN peers</b>	10;25*	250	750	5000	5000
<b>SSL VPN peers* (included/maximum)</b>	2/25	2/250	2/750	2/2500	2/5000
<b>Concurrent Sessions</b>	10,000;25,000*	50,000; 130,000*	280,000	400,000	650,000
<b>New sessions per second</b>	2/25	6,000	9,000	20,000	28,000
<b>Integrated network ports</b>	8-port Fast Ethernet switch (including 2 PoE ports)	3 Fast Ethernet ports plus 1 management port; 5 Fast Ethernet ports*	4 Gigabit Ethernet ports plus 1 Fast Ethernet port	4 Gigabit Ethernet ports plus 1 Fast Ethernet port	8 Gigabit Ethernet ports, SFP fibre, and 1 Fast Ethernet port
<b>Virtual interfaces (VLANs)</b>	3 (no trunking);3	10; 25 *	100	200	200
<b>Security contexts (included/maximum)</b>	0/0	0/0 (Base); 2/5 (Security Plus)	2/20	2/50	2/50
<b>High availability</b>	Not supported; stateless Active/ Standby*	Not supported; Active/Active and Active/Standby*	Active/Active and Active/Standby	Active/Active and Active/Standby	Active/Active and Active/Standby
<b>Expansion slot</b>	1, SSC	1,SSM	1,SSM	1,SSM	0