

# Cisco® ASA 5500-X Series Midrange Security Appliances: ASA 5512-X, 5515-X, 5525-X, 5545-X, and 5555-X



The Cisco ASA 5500-X Series next-generation midrange security appliances uses the Cisco SecureX framework to provide a context-aware approach to security. These next-generation security appliances deliver multiple security services, multigigabit performance, flexible interface options, and redundant power supplies—all in a compact 1-RU form factor. The Cisco ASA 5500-X Series midrange security appliances provides additional network security through optional integrated cloud- and software-based security services that use identity for security policy selection, requiring no additional hardware modules. Built on the same proven security platform as the rest of the ASA family of security appliances, the Cisco ASA 5500-X Series midrange security appliances delivers superior performance for exceptional operational efficiency.

## What's New?

- **4X increase in firewall throughput** protects users as their current and future data consumption demands increase.
- **Additional security services** can be enabled quickly and easily, without requiring additional hardware.
- **Dedicated IPS hardware** accelerates responses against security threats.\*
- **Redundant power supplies** protect against power outages.\*\*
- **Multicore enterprise-class CPUs** deliver more powerful, efficient performance.
- **Additional copper and SFP Gigabit Ethernet ports** provide greater flexibility during network configuration.

**Table 1** Cisco ASA 5500-X Series Midrange Security Appliance Comparison

	ASA 5512-X	ASA 5515-X	ASA 5525-X	ASA 5545-X	ASA 5555-X
<b>FIREWALL</b>					
Firewall Throughput	1 Gbps	1.2 Gbps	2 Gbps	3 Gbps	4 Gbps
Real-World Firewall Throughput (EMIX)	500 Mbps	600 Mbps	1 Gbps	1.5 Gbps	2 Gbps
Maximum Firewall Connections	100,000	250,000	500,000	750,000	1,000,000
Maximum Firewall Connections/Second	10,000	15,000	20,000	30,000	50,000
Packets/Second (64-byte)	450,000	500,000	700,000	900,000	1,100,000
VLANs	50	100	200	300	500
ASA OS	64-bit				
<b>IPS</b>					
Intrusion Prevention	Yes (no hardware module required)				
Firewall + IPS Throughput	250 Mbps	400 Mbps	600 Mbps	900 Mbps	1.3 Gbps
<b>VPN</b>					
Maximum 3DES/AES VPN Throughput	200 Mbps	250 Mbps	300 Mbps	400 Mbps	700 Mbps
Maximum Site-to-Site and IPsec IKEv1 Client VPN User Sessions	250	250	750	2500	5000
Maximum Cisco AnyConnect™ or Clientless VPN User Sessions	250	250	750	2500	5000
Bundled SSL VPN User Sessions	2	2	2	2	2

\* Available on ASA 5525-X, 5545-X, and 5555-X

\*\* Available on ASA 5545-X and 5555-X



	ASA 5512-X	ASA 5515-X	ASA 5525-X	ASA 5545-X	ASA 5555-X
<b>HARDWARE</b>					
CPU	Multicore, enterprise-class				
Memory (RAM)	4 GB	8 GB	8 GB	12 GB	16 GB
Flash	4 GB	8 GB	8 GB	8 GB	8 GB
Integrated Network (GE) Ports	6	6	8	8	8
Dedicated Management (GE) Port	Yes	Yes	Yes	Yes	Yes
Maximum Network Ports	12	12	14	14	14
Interface Card Slots	1	1	1	1	1
Interface Card Options	6-port 10/100/1000, 6-port GE SFP SX, LH, LX				
USB 2.0 Ports	2	2	2	2	2
Serial Console	1	1	1	1	1
Redundant Power	No	No	No	Yes	Yes
Power Supply Type	AC	AC	AC	AC	AC
Power Supply	400W	400W	400W	450W	450W
<b>PHYSICAL SPECIFICATIONS</b>					
Form Factor	1 RU, 19-in. rack-mountable				
Rack-mounting options	Brackets included (slide rails optional)			Slide rails included	
Dimensions (H x W x D)	1.67 x 16.7 x 15.6 in. (4.24 x 42.9 x 39.5 cm)			1.67 x 16.7 x 19.1 in. (4.24 x 42.9 x 48.4 cm)	
Weight	13.39 lb (6.07 kg)	13.39 lb (6.07 kg)	14.92 lb (6.77 kg)	16.82 lb (7.63 kg) with single power supply 18.86 lb (8.55 Kg) with dual power supply	

## Additional Information

For more information, please visit the following sites:

Cisco ASA 5500-X Series Q&A: [http://www.cisco.com/en/US/products/ps6120/prod\\_qandas\\_list.html](http://www.cisco.com/en/US/products/ps6120/prod_qandas_list.html)

Cisco ASA 5500 Series: <http://www.cisco.com/go/asa>

Cisco ASA 5500 Series IPS Solution: [http://www.cisco.com/en/US/prod/collateral/vpndevc/ps5729/ps5713/ps4077/data\\_sheet\\_c78\\_459036.pdf](http://www.cisco.com/en/US/prod/collateral/vpndevc/ps5729/ps5713/ps4077/data_sheet_c78_459036.pdf)

Cisco IPS Solutions: <http://www.cisco.com/go/ips>

Cisco Security Manager: <http://www.cisco.com/go/csmanager>

Cisco IPS Manager Express: <http://www.cisco.com/go/ime>

Cisco Adaptive Security Device Manager: <http://www.cisco.com/go/asdm>