



ASA 5500 Series



Cisco ASA 5500 Series Adaptive Security Appliances

Cisco® ASA 5500 Series Adaptive Security Appliances are built on proven Cisco firewall, intrusion prevention system (IPS), content security, secure unified communications, and Secure Sockets Layer/IP Security (SSL/IPsec) VPN technologies and offer expandable high-performance threat protection.

For more information about the ASA Advantage program, please visit www.cisco.com/go/asaadvantage.
For more information on the features and benefits of the Cisco ASA 5500 Series products and solutions, visit www.cisco.com/go/asa.

Cisco ASA 5500 Series Model/License	Cisco ASA 5505 Base/Security Plus ²	Cisco ASA 5510 Base/Security Plus ²	Cisco ASA 5520	Cisco ASA 5540	Cisco ASA 5550	Cisco ASA 5585-X SSP-10	Cisco ASA 5585-X SSP-20	Cisco ASSA 5585-X SSP-40	Cisco ASA 5585-X SSP-60
Market	Branch Office/Small Business, Enterprise Teleworker	Commercial and Small Enterprise	Small Enterprise	Medium-Sized Enterprise	Large Enterprise	Large Enterprise	Large Enterprise, Data Center	Large Enterprise, Data Center	Large Enterprise, Data Center
Performance Summary									
Maximum Firewall Throughput (Mbps)	150	300	450	650	1200	2 Gbps (multiprotocol): 4 Gbps (large packet)	5 Gbps (multiprotocol): 10 Gbps (large packet)	10 Gbps (multiprotocol): 20 Gbps (large packet)	20 Gbps (multiprotocol): 35 Gbps (large packet)
Maximum 3DES/AES VPN Throughput (Mbps)	100	170	225	325	425	1000	2000	3000	5000
Maximum SSL VPN User Sessions ¹	Up to 25	250	750	Up to 5000	5000	5000	10,000	10,000	10,000
Maximum Firewall Connections	10,000/25,000	50,000/130,000	280,000	400,000	650,000	750,000	1,000,000	2,000,000	2,000,000
Maximum Firewall Connections/Second	4000	9000	12,000	25,000	36,000	50,000	125,000	200,000	350,000
Packets per Second (64 byte)	85,000	190,000	320,000	500,000	600,000	1,500,000	3,000,000	5,000,000	9,000,000
Technical Summary									
Memory	256 MB	256 MB	512 MB	1 GB	4 GB	6 GB	12 GB	12 GB	24 GB
System Flash	64 MB	64 MB	64 MB	64 MB	64 MB	2 GB	2 GB	2 GB	2 GB
Ethernet Interfaces	8 port 10/100 switch with 2 Power over Ethernet ports	5-10/100/2-10/100/1000, 3-10/100	4-10/100/1000, 1-10/100	4-10/100/1000, 1-10/100	8-10/100/1000, 4-GE SFP, 1-10/100	8-10/100/1000, 2-10GE ¹ (SSP-10) 16-10/100/1000, 4-10GE ¹ (SSP-10 and IPS SSP-10)	8-10/100/1000, 2-10GE ¹ SFP+(SSP-20) 16-10/100/1000, 4-10GE ¹ SFP+ (SSP-20 and IPS SSP-20)	6-10/100/1000, 4-10GE SFP+(SSP-40) 12-10/100/1000, 8-10GE SFP+ (SSP-40 and IPS SSP-40)	6-10/100/1000, 4-10GE SFP+(SSP-60) 12-10/100/1000, 8-10GE SFP+(SSP-60 and IPS SSP-60)
Maximum Virtual Interfaces (VLANs)	3 (trunking disabled) 20 (trunking enabled)	50/100	150	200	250	250	250	250	250
Modules									
SSC/SSM/IEC Expansion Slot	Yes (1-SSC)	Yes (1-SSM)	Yes (1-SSM)	Yes (1-SSM)	Not Available	Yes (1-IPS-SSP)	Yes (1-IPS-SSP)	Yes (1-IPS-SSP)	Yes (1-IPS-SSP)
SSC/SSM/IEC Supported	Future, SSC	CSC SSM, AIP SSM, 4GE SSM	CSC SSM, AIP SSM, 4GE SSM	CSC SSM, AIP SSM, 4GE SSM	Not Available	IPS SSP	IPS SSP	IPS SSP	IPS SSP
Intrusion Prevention	Not Available	Yes (with AIP SSM)	Yes (with AIP SSM)	Yes (with AIP SSM)	Not Available	Yes (with IPS SSP)	Yes (with IPS SSP)	Yes (with IPS SSP)	Yes (with IPS SSP)
Maximum Firewall and IPS Throughput (Mbps)	Not Available	150 (with AIP SSM-10) 300 (with AIP SSM-20)	225 (with AIP SSM-10) 375 (with AIP SSM-20) 450 (with AIP SSM-40)	500 (with AIP SSM-20) 650 (with AIP SSM-40)	Not Available	2000 (with IPS SSP-10)	3000 (with IPS SSP-20)	5000 (with IPS SSP-40)	10,000 (with IPS SSP-60)
Content Security (Anti-Virus, Anti-Spyware, File Blocking, Anti-Spam, Anti-Phishing, and URL Filtering)	Not Available	Yes (with CSC SSM)	Yes (with CSC SSM)	Yes (with CSC SSM)	Not Available	Not Available	Not Available	Not Available	Not Available
Maximum Number of Users for Anti-Virus, Anti-Spyware, File Blocking (CSC SSM Only)	Not Available	500 (CSC SSM-10) 1000 (CSC SSM-20)	500 (CSC SSM-10) 1000 (CSC SSM-20)	500 (CSC SSM-10) 1000 (CSC SSM-20)	Not Available	Not Available	Not Available	Not Available	Not Available
CSC SSM Plus License Features	Not Available	Anti-spam, anti-phishing, URL filtering	Anti-spam, anti-phishing, URL filtering	Anti-spam, anti-phishing, URL filtering	Not Available	Not Available	Not Available	Not Available	Not Available
Features									
Layer 2 Transparent Firewalling	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Security Contexts (Included/Maximum) ²	0/0	0/0/2/5	2/20	2/50	2/50	2/50	2/50	2/50	2/50
GTP/GPRS Inspection ²	Not Available	Not Available	Yes	Yes	Yes	Yes	Yes	Yes	Yes
High Availability Support ³	Not Available	Not Available/Stateless A/S	Not Available/A/A and A/S	A/A and A/S	A/A and A/S	A/A and A/S	A/A and A/S	A/A and A/S	A/A and A/S
VPN Clustering and Load Balancing	Not Available	Not Available/Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Acronyms – **SSC**: Security Services Card; **SSM**: Security Services Module; **IEC**: Interface Expansion Card; **AIP SSM**: Advanced Inspection and Prevention Security Services Module; **CSC SSM**: Content Security and Control Security Services Module; **4GE SSM**: 4 Gigabit Ethernet Security Services Module
¹ Systems include 2 SSL VPN users by default for evaluation and remote management purposes
² Licensed features
³ A/S = Active/Standby; A/A = Active/Active

