1200 Series Firewall

Enterprise Security Appliances

Contents

Product overview

The Cisco Secure Firewall 1200 Series is a family of security appliances that serves to connect and protect the distributed enterprise. It extends Cisco's enterprise security policy and threat inspection to users and devices in branch offices and smaller sites.

Powered by an efficient network processor, 1200 Series delivers high levels of security policy and threat defense without compromising user experience.

Table 1.   1200 Series Models Summary

Model	Form factor	Firewall Throughput	Threat Defense	IPS	TLS	Interfaces
1210CE	Desktop/ Compact	6.5 Gbps	6.0 Gbps	6.0 Gbps	1.0 Gbps	8x 1000BASE-T Gigabit Ethernet (10/100/1000 Mbps)
1210CP	Desktop/ Compact	6.5 Gbps	6.0 Gbps	6.0 Gbps	1.0 Gbps	8x 1000BASE-T Gigabit Ethernet (10/100/1000 Mbps) 4 ports with PoE delivering up to 120W
1220CX	Desktop/ Compact	9.0 Gbps	9.0 Gbps	9.0 Gbps	1.5 Gbps	8x 1000BASE-T Gigabit Ethernet (10/100/1000 Mbps) 2x SFP+ 1/10Gbps Ethernet
1230	1U	13 Gbps	9.0 Gbps	13 Gbps	2.5 Gbps	8x 1000BASE-T Gigabit Ethernet 4x SFP+ 1/10Gbps Ethernet
1240	1U	18 Gbps	12 Gbps	18 Gbps	3.2 Gbps	8x 1000BASE-T Gigabit Ethernet 4x SFP+ 1/10Gbps Ethernet
1250	1U	24 Gbps	18 Gbps	22 Gbps	4.1 Gbps	8x 2.5GBASE-T Multigigabit Ethernet 4x SFP+ 1/10Gbps Ethernet

Figure 1.   Cisco Secure Firewall 1210CE
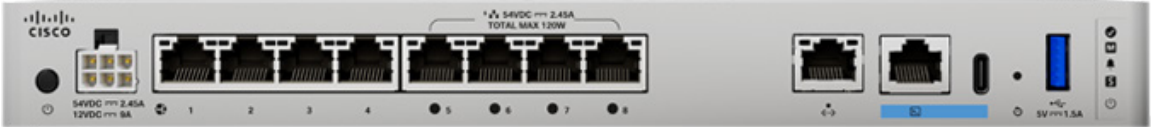

Figure 2.   Cisco Secure Firewall 1210CP

Figure 3.   Cisco Secure Firewall 1220CX

Figure 4.   Secure Firewall 1230, 1240, 1250

Feature highlights

1200 Series firewalls are available with Cisco Adaptive Security Appliance (ASA) or Cisco Secure Firewall Threat Defense (FTD) software. For full details on the features supported in these applications, please refer to the software release documentation.

Table 2.   1200 Series with Threat Defense Software Features

Features	Details
Trust and Integrity	Built with Cisco Trustworthy Technologies to provide a hardware root of trust, cryptographically signed and validated software image support, anti-tamper and anti-counterfeit
High Availability (HA)	Support for active/standby HA pairs
Multi-Instance	Not supported
Network security management	Centralized management via Cisco Secure Firewall Management Center (FMC) On-box management via Cisco Secure Firewall Device Manager (FDM) Cloud-managed via Cisco Security Cloud Control (SCC), formerly CDO - Cisco Defense Orchestrator

Table 3.   1200 Series Hardware Features – Compact Models

Features	Details
Form factor	Compact appliance for desktop use. Can be rack-mounted or wall-mounted via optional accessories
Console port	USB Type-C and RJ-45 (Cisco serial)
Management Ethernet	1000BASE-T port
USB port	USB 3 Type A port
Storage	Integrated SSD, 480GB

Features	Details
Power supply	Single input, external power supply
Cooling	Integrated blower, side exhaust
Power over Ethernet (1210CP model only)	4 of the 1000BASE-T ports support IEEE 802.3at for delivery of up to 30W per port (120W total) to compatible PD endpoints
SFP+ transceiver slots (1220CX model only)	Support for a wide range of 1Gbps and 10Gbps transceivers. For a full list, refer to the product hardware documentation and Cisco's transceiver compatibility matrix tools

Table 4.   Table 4. 1200 Series Hardware Features – 1U Models

Features	Details
Form factor	1U rack mount appliance
Console port	USB Type-C and RJ-45 (Cisco serial)
Management Ethernet	1000BASE-T port
USB port	USB 3 Type A port
Storage	Field-replaceable SSD, 960GB
Power supply	Single integrated power supply
Cooling	Integrated blower, front to back (port-side intake)
SFP+ transceiver slots	Support for a wide range of 1Gbps and 10Gbps transceivers. For a full list, refer to the product hardware documentation and Cisco's transceiver compatibility matrix tools

Table 5.   1200 Series interfaces

Feature	1210CE	1210CP	1220CX	1230	1240	1250
Integrated interfaces	8x 1000BASE-T	8x 1000BASE-T	8x 1000BASE-T	8x 1000BASE-T	8x 1000BASE-T	8x 2.5GBASE-T
Transceiver slots	-	-	2x SFP+	4x SFP+	4x SFP+	4x SFP+
Power over Ethernet	-	4 ports, 120W total	-	-	-	-

Performance

1200 Series firewalls are powered by an advanced processor that accelerates security and networking functions.

Note: Performance will vary depending on features activated, network traffic protocol mix, and packet size characteristics. Performance is subject to change with new software releases. Consult your Cisco representative for detailed sizing guidance.

Table 6.   Performance – 1200 Series with Threat Defense software

Metric	1210	1220	1230	1240	1250
Throughput: FW + AVC (1024B)	6.0 Gbps	9.0 Gbps	13 Gbps	18 Gbps	24 Gbps
Throughput: Next-Generation Intrusion Prevention System (NGIPS) (1024B)	6.0 Gbps	9.0 Gbps	11 Gbps	15 Gbps	22 Gbps
Throughput: FW + AVC + IPS (1024B)	6.0 Gbps	9.0 Gbps	9.0 Gbps	12 Gbps	18 Gbps
IPSec VPN Throughput (1024B TCP w/Fastpath)	5.0 Gbps	10 Gbps	13 Gbps	18 Gbps	22 Gbps

Metric	1210	1220	1230	1240	1250
TLS decryption[1]	1.0 Gbps	1.5 Gbps	2.5 Gbps	3.2 Gbps	4.1 Gbps
Maximum new connections per second, with AVC	35K	50K	50K	70K	100K

Table 7.   Performance - 1200 Series with ASA software

Metric	1210	1220	1230	1240	1250
Stateful inspection firewall throughput[2]	6.5 Gbps	15 Gbps	18 Gbps	20 Gbps	20 Gbps
Stateful inspection firewall throughput (multiprotocol)[3]	6.0 Gbps	12 Gbps	15 Gbps	20 Gbps	20 Gbps
IPsec VPN throughput (450B UDP L2L test)	5.5 Gbps	12 Gbps	15 Gbps	18 Gbps	24 Gbps
New connections per second	175K	250K	350K	450K	550K

Note: Performance will vary depending on features activated, network traffic protocol mix, and packet size characteristics. Performance is subject to change with new software releases. Consult your Cisco representative for detailed sizing guidance.

[1] Throughput measured with 50% TLS 1.2 traffic with AES256-SHA with RSA 2048B keys.

[2] Throughput measured with 1500B User Datagram Protocol (UDP) traffic measured under ideal test conditions.

[3] "Multiprotocol" refers to a traffic profile consisting primarily of TCP-based protocols and applications such as HTTP, SMTP, FTP, IMAPv4, BitTorrent, and DNS.

Scalability

1200 Series appliances are designed for deployment in branch offices and smaller sites.

Table 8.   Scalability – 1200 Series with Threat Defense software

Measure	1210	1220	1230	1240	1250
Maximum concurrent sessions, with AVC	200K	300K	400K	600K	1M
Maximum VPN Peers	200	300	500	1,000	1,500
Maximum virtual router instances (VRF)	5	10	10	10	15

Table 9.   Scalability – 1200 Series with ASA software

Measure	1210	1220	1230	1240	1250
Concurrent firewall connections	200K	300K	400K	600K	1M
Maximum VPN Peers	200	300	500	1,000	1,500

Hardware specifications

Table 10.   1200 Series hardware specifications – compact models

Specification	1210CE	1210CP	1220CX
Chassis Dimensions (HxWxD) Excluding rubber feet	1.11" x 10.8" x 6.8" 2.82 x 27.43 x 17.22 cm		
Weight	3.04 lb (1.38 kg)	3.17 lb (1.44 kg)	3.09 lb (1.40 kg)
Operating range			
Temperature: operating	32 to 104°F (0 to 40°C)[4]		
Humidity: operating	5 to 85% (noncondensing)		
Altitude: operating	0 to 10,000 ft (3048 m)		
Acoustic noise	23.5 dBA @ 80.6°F(27°C) 42.7 dBA @ maximum fan speed		
Non-operating/storage environment			
Temperature: nonoperating	-13 to 158°F (-25 to 70°C)		
Humidity: nonoperating	5 to 95% (noncondensing)		
Altitude: nonoperating	0 to 15,000 ft (4570 m)		
Power supply			
AC input voltage	100-240V AC		
AC input frequency	50–60 Hz		
AC current draw, maximum	0.4A (100V) 0.17A (240V)		
Power consumption, typical	32W		
Power consumption, maximum	40W	40W (excluding PoE) 165W (including PoE)	40W

[4] Derate the maximum operating temperature 2.7° F (1.5° C) per 1000 ft (304 m) above 6,000 ft (1829 m) altitude.

Table 11.   1200 Series hardware specifications – 1U models

Specification	1230	1240	1250
Chassis Dimensions (HxWxD)	1.72 x 11.22 x 17.25 inches 4.37 x 28.49 x 43.81 cm		
Weight	9.35 lb (4.24 kg)	9.35 lb (4.24 kg)	9.52 lb (4.32 kg)
Operating range			
Temperature: operating	32 to 104°F (0 to 40°C)		
Humidity: operating	5 to 85% noncondensing		
Altitude: operating	0 to 10,000 ft (0 to 3048 m)		
Acoustic noise (maximum)	52.1 dBA	57.8 dBA	57.8 dBA
Non-operating/storage environment			
Temperature: nonoperating	–13 to 158°F (–25 to 70°C)		
Humidity: nonoperating	5 to 95% noncondensing		
Altitude: nonoperating	0 to 15,000 ft (0 to 4572 m)		
Power supply			
AC input voltage	100 to 240V AC		
AC input frequency	50 to 60 Hz		
AC current draw, maximum	0.88A (100V) 0.37A (240V)		
Power consumption, typical			
Power consumption, maximum	57W	69W	88W

Compliance

For details on product regulatory compliance in a specific market, consult the Cisco **Product Approvals** tool.

Table 12.   1200 Series Regulatory and Standards Compliance

Specification	Description
Regulatory compliance	Products comply with CE markings per directives 2004/108/EC and 2006/108/EC
Safety	• UL 60950-1 • CAN/CSA-C22.2 No. 60950-1 • UL 62368-1 • CAN/CSA-C22.2 No. 62368-1 • EN 62368-1 • IEC 62368-1 with all country deviations • AS/NZS 62368-1
EMC: Emissions	• 47CFR Part 15 (CFR 47) Class A (FCC Class A) • AS/NZS CISPR22 Class A • CISPR22 Class A • EN55022 Class A • ICES003 Class A • VCCI Class A • EN61000-3-2 • EN61000-3-3 • KN22 Class A • CNS13438 Class A • EN300386 • TCVN7189
EMC: Immunity	• EN55024 • CISPR24 • EN300386 • KN24 • TVCN 7317 • EN-61000-4-2, EN-61000-4-3, EN-61000-4-4, EN-61000-4-5, EN-61000-4-6, EN-61000-4-8, EN61000-4-11

Ordering information

1200 Series hardware appliances and accessories are listed below. For information on licenses, subscriptions and other options associated with the product, refer to the **Network Security Ordering Guide**.

Table 13.   1200 Series Firewall Appliances

Product ID	Description
CSF1210CE-ASA-K9	Secure Firewall 1210 compact security appliance with ASA software
CSF1210CE-TD-K9	Secure Firewall 1210 compact security appliance with Threat Defense software
CSF1210CP-ASA-K9	Secure Firewall 1210 compact security appliance with PoE, ASA software
CSF1210CP-TD-K9	Secure Firewall 1210 compact security appliance with PoE, Threat Defense software
CSF1220CX-ASA-K9	Secure Firewall 1220 compact security appliance with ASA software
CSF1220CX-TD-K9	Secure Firewall 1220 compact security appliance with Threat Defense software
CSF1230-ASA-K9	Secure Firewall 1230 security appliance with ASA software
CSF1230-TD-K9	Secure Firewall 1230 security appliance with Threat Defense software
CSF12400-ASA-K9	Secure Firewall 1240 security appliance with ASA software
CSF1240-TD-K9	Secure Firewall 1240 security appliance with Threat Defense software
CSF1250-ASA-K9	Secure Firewall 1250 security appliance with ASA software
CSF1250-TD-K9	Secure Firewall 1250 security appliance with Threat Defense software

Table 14.   1200 Series Accessories

Product ID	Description
CSF1200C-PWR-AC	Secure Firewall 1200 Series Compact power supply (without PoE)
CSF1200CP-PWR-AC	Secure Firewall 1200 Series Compact power supply (with PoE)
CSF1200C-RACK-MNT=	Secure Firewall 1200 Series Compact appliance rack-mount kit (compact models)
CSF1200C-WALL-MNT=	Secure Firewall 1200 Series Compact appliance wall-mount kit (compact models)
CAB-CONS-USB-C=	Console cable, USB-C to USB-C, 6ft, compatible with 1200 Series firewalls
CSF1200-SSD960=	Secure Firewall 1200 Series SSD, 960GB (1U models)

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Document history

Update	Date
Initial release, compact models (1210CE, 1210CP, 1220CX)	September 2024
Added 1U models (1230, 1240, 1250)	March 2025