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Overview

Cisco ASA5545-K8 includes firewall services, 5000 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, DES license.

Quick Specification

Table 1 shows the Quick Specification.

Product Code	ASA5545-K8
Interfaces	8 copper GE ports, 1 copper GE management port, 1 expansion slot
Stateful inspection throughput (maximum)	3 Gbps
3DES/AES VPN throughput	400 Mbps
IPsec VPN peers	2,500
Virtual interfaces (VLANs)	300
Memory	12 GB
Flash	8 GB
Height (rack units)	1 RU
Dimensions (D x H x W)	4.24 x 42.9 x 48.4 cm

Product Details

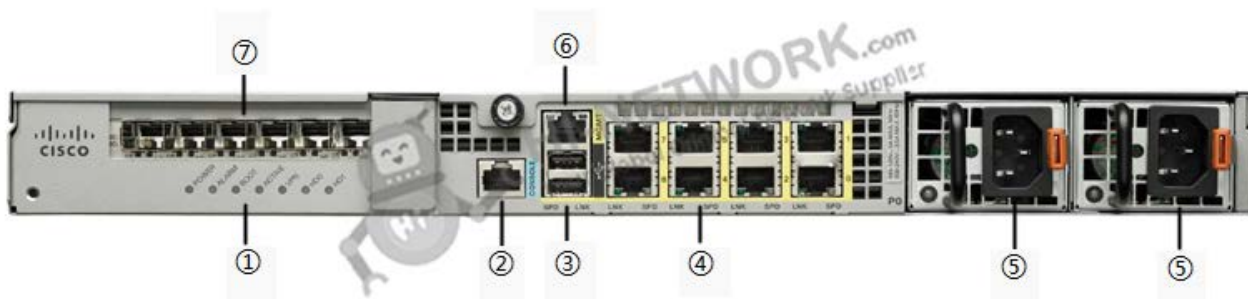
Figure 1 shows the front panel of ASA5545-K9 for reference. ASA5545-K8 has the similar ports.



Table 2 shows the Front Panel LEDs' descriptions.

LED	Color	Description
BOOT	Flashing green	Power-up diagnostics are running, or system is booting.
	Solid green	System has passed power-up diagnostics.
	Off	Power-up diagnostics are not operational.
ACTIVE	Solid green	Failover pair is operating normally.
	Off	Failover is not operational.
PS	-	Power supply status
ALARM	Off	Normal operating system function.
	Solid amber	Critical Alarm indicating one or more of the following: <ul style="list-style-type: none"> - a major failure of a hardware or software component. - an over-temperature condition. - power voltage is outside of the tolerance range.
VPN	Solid green	VPN tunnel is established.
	Off	No VPN tunnel established.
HD0	Flashing green	Proportioned to read/write activity.
	Solid amber	Hard-disk drive failure.
	Off	No hard-disk drive present.
HD1	Flashing green	Proportioned to read/write activity.
	Solid amber	Hard-disk drive failure.
	Off	No hard-disk drive present.

Figure 2 shows the back panel of ASA5545-K9for reference. ASA5545-K8 has the similar ports.



Note

(1)	LEDs	(5)	AC Socket
(2)	One Console port	(6)	one Management 0/0 interface
(3)	Two USB Ports	(7)	I/O slot
(4)	Eight Gigabit Ethernet data interfaces		

There are seven LEDs on the back panel: POWER, ALARM, BOOT, ACTIVE, VPN, HD0 and HD1.

The Licenses

Table 3 shows the recommended licenses for ASA5545-K8.

Licenses	Description
L-ASA-AC-E-5545=	AnyConnect Essentials VPN Licenses - Cisco L-ASA-AC-E-5545=, AnyConnect Essentials VPN License - ASA 5545-X (250 Users) for Cisco ASA 5500 Series
L-ASA-AC-M-5545=	Cisco VPN Licenses - L-ASA-AC-M-5545= AnyConnect Mobile - ASA 5545-X (req. Essentials or Premium) VPN Licenses for Cisco
L-ASA5545-IPS-SSP=	Cisco ASA 5500 Series IPS Security Services Processors - L-ASA5545-IPS-SSP=, ASA 5545-X IPS SSP License for Cisco ASA 5500 Series
L-ASA-VPNP-5545=	Cisco VPN Licenses - L-ASA-VPNP-5545 Premium Shared VPN Participant License - ASA 5545-X VPN Licenses for Cisco
L-ASA-AC-PH-5545=	Cisco VPN Licenses - L-ASA-AC-PH-5545= AnyConnect VPN Phone License - ASA 5545-X (req Premium lic) VPN Licenses for Cisco
L-ASA5545-BOT-1YR=	Cisco ASA 5500 Firewall License L-ASA5545-BOT-1YR ASA 5545-X Botnet Traffic Filter License. for 1 Year (eDelivery) for Cisco 5500 Firewall

Compare to Similar Items

Table 4 shows the comparison of ASA5545-K8 and ASA5545-K9.

Models	ASA5545-K8	ASA5545-K9
Description	Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1+1 AC power supply, Active/Active High Availability, 2 security contexts, DES license	Cisco ASA 5545-X Firewall Edition; includes firewall services, 2500 IPsec VPN peers, 2 SSL VPN peers, 8 copper Gigabit Ethernet data ports, 1 copper Gigabit Ethernet management port, 1 AC power supply, Active/Active High Availability, 2 security contexts, 3DES/AES license
Stateful Inspection Throughput (maximum)	3 Gbps	3 Gbps
Next-generation firewall throughput (multiprotocol)	1 Gbps	1 Gbps
Memory	12GB	12GB
Flash	8GB	8GB
Height (rack units)	1RU	1RU

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Specification

ASA5545-K8 Specification	
General	
Device Type	Security appliance
Height (Rack Units)	1U
Width	16.9 in
Depth	19.1 in
Height	1.7 in
Weight	16.75 lbs
Processor / Memory / Storage	
RAM	12 GB
Networking	
Form Factor	Rack-mountable
Ports Qty	8
Connectivity Technology	Wired
Data Link Protocol	Gigabit Ethernet
Performance	Firewall throughput: 3 Gbps VPN throughput (3DES/AES): 400 Mbps Connection rate: 30000 connections per second Firewall + intrusion prevention throughput: 900 Mbps
Capacity	IPsec VPN peers: 2500 SSL VPN peers: 2 Concurrent sessions: 750000 Virtual interfaces (VLANs): 300 Security contexts: 2
Status Indicators	Power, HDD activity, active, alarm
Features	Firewall protection, VPN support, VLAN support, High Availability
Encryption Algorithm	DES
Expansion / Connectivity	
Expansion Slots	1 (total) / 1 (free) x expansion slot

Interfaces	8 x 1000Base-T - RJ-45 1 x 1000Base-T (management) - RJ-45 1 x management - RJ-45 2 x USB 2.0 - Type A
Miscellaneous	
Rack Mounting Kit	Included
Compliant Standards	VCCI, C-Tick, EN 61000-3-2, ICES-003, EN 61000-3-3, EN55024, EN55022 Class A, CISPR 22, UL 60950-1, IEC 60950-1, EN 60950-1, FCC Part 15 B Class A, CAN/CSA C22.2 No. 60950-1-07, ANSI C63.4-2009
Power	
Power Device	Internal power supply
Installed Qty	1
Max Supported Qty	2
Power Redundancy	Optional
Voltage Required	AC 120/230 V (50/60 Hz)
Power Provided	400 Watt
Software / System Requirements	
Software Included	Drivers & Utilities
Manufacturer Warranty	
Service & Support	Limited warranty - 90 days
Environmental Parameters	
Min Operating Temperature	23 °F
Max Operating Temperature	104 °F

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