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Overview

Cisco ASA 5545-K9 delivers superior performance with up to 3 Gbps stateful inspection throughput, 2500 IPsec VPN peers, 750,000 concurrent connections and 1 expansion slot makes it ideally suited for the mid-size, large-size enterprises, internet edge deployments or even data center while delivering enterprise-strength security.

Quick Specification

Table 1 shows the Quick Specification.

Product Code	ASA5545-K9
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
Package Weight	17.17 Kg

Product Details

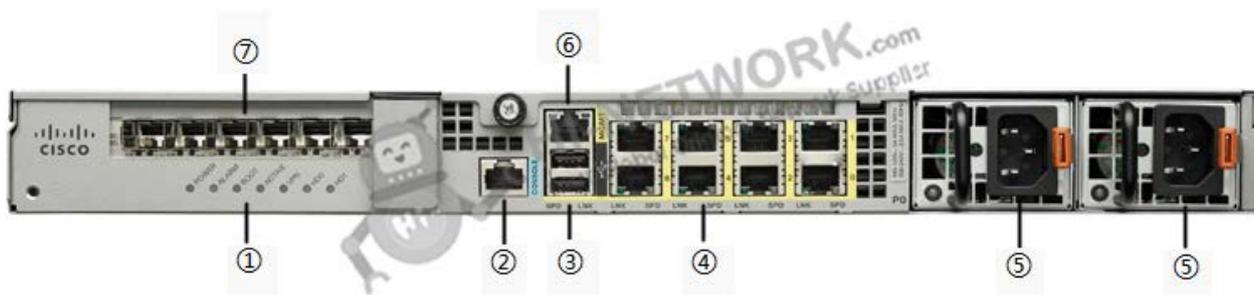
Figure 1 shows the front panel of ASA5545-K9.



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-K9.



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-K9.

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-ME-K9=	Cisco ASA 5500 Series Unified Communications Licenses - L-ASA5545-ME-K9, ASA 5545-X Intercompany Media Engine K9 License (eDelivery) for Cisco ASA 5500 Series
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 ASA5515-K9, ASA5525-K9 and ASA5545-K9.

Models	ASA5515-K9	ASA5525-K9	ASA5545-K9
Stateful Inspection Throughput (maximum)	1.2 Gbps	2 Gbps	3 Gbps
Next-generation firewall throughput (multiprotocol)	350 Mbps	650 Mbps	1 Gbps
Memory	8GB	8GB	12GB
Flash	8GB	8GB	8GB
Height (rack units)	1 RU	1 RU	1RU

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Specification

ASA5545-K9 Specification	
Stateful Inspection Throughput (Maximum)	3 Gbps
Stateful Inspection Throughput (Multiprotocol)	1.5 Gbps
IPS Throughput	900 Mbps
Next-Generation Throughput (Multiprotocol)	1 Gbps
3DES/AES VPN Throughput	400 Mbps
Users/Nodes	Unlimited
IPsec VPN Peers	2,500
Cisco Cloud Web Security Users	5,000
Premium AnyConnect VPN Peers (Included/Maximum)	2/2500
Concurrent Connections	750,000
New Connections/Second	30,000
Virtual Interfaces (VLANs)	300
Security Contexts (Included/Maximum)	2; 50
High Availability	Active/Active and Active/Standby
Expansion Slot	1 interface card
User-Accessible Flash Slot	-
USB 2.0 Ports	2
Integrated I/O	8 GE Copper
Expansion I/O	6 GE Copper or 6 GE SFP
Serial Ports	1 RJ-45 console
Solid State Drive	2 slot, RAID 1 120 GB MLC SED
Memory	12 GB
Minimum System Flash	8 GB
System Bus	Multibus architecture
Temperature	23 to 104°F (-5 to 40°C)
Relative Humidity	90 percent noncondensing
Altitude	Designed and tested for 0 to 10,000 ft (3050m)
Shock	50G, 2 m/sec
Vibration	0.41 Grms2 (3 to 500 Hz) random input
Acoustic Noise	64.2 dBa max

Temperature	-13 to 158°F (-25 to 70°C)
Relative Humidity	10 to 90 percent noncondensing
Altitude	Designed and tested for 0 to 15,000 ft (4572m)
Shock	70G, 4.22 m/sec
Vibration	1.12 Grms ² (3 to 500 Hz) random input
AC Range Line Voltage	100 to 240 V AC
AC Normal Line Voltage	100 to 240 V AC
AC Current	4.85A
AC Frequency	50/60 Hz
Dual-Power Supplies	Yes
DC Domestic Line Voltage	-40.5 to 56 V DC (-48 VDC nominal)
DC International Line Voltage	-55 to -72 V DC (-60 VDC nominal)
DC Current	15A (maximum input)
Steady State	86W
Maximum Peak	125W
Maximum Heat Dissipation	427 BTU/hr
Form Factor	1 RU, 19-in. rack-mountable
Dimensions (H x W x D)	1.67 x 16.7 x 19.1 in. (4.24 x 42.9 x 48.4 cm)
Weight (with AC Power Supply)	16.82 lb (7.63 kg) with single power supply 18.86 lb (8.61 kg) with dual power supply
Safety	IEC 60950-1: 2005, 2nd Edition EN 60950-1:2006+A11: 2009 UL 60950-1:2007, 2nd Edition; CSA C22.2 No. 60950-1-07, 2nd Edition
Electromagnetic Compatibility (EMC)	CE: EN55022 2006+A1: 2007 Class A; EN55024 1998+A1:2001+A2:2003; EN61000-3-2 2009; EN61000-3-3 2008; FCC: CFR 47, Part 15 Subpart B Class A 2010, ANSI C63.4 2009; ICES-003 ISSUE 4 FEBRUARY.2004; VCCI: V- 3/2011.04; C-TICK: AS/NZS CISPR 22,2009 KC: KN22 & KN24
Industry Certifications	In process

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