

FPR2140-K9= Datasheet

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Overview

The Cisco Firepower 2100 Series is a family of four threat-focused NGFW security platforms that deliver business resiliency through superior threat defense. It offers exceptional sustained performance when advanced threat functions are enabled. These platforms uniquely incorporate an innovative dual multicore CPU architecture that optimizes firewall, cryptographic, and threat inspection functions simultaneously. The series' firewall throughput range addresses use cases from the Internet edge to the data center. Network Equipment Building Standards (NEBS)- compliance is supported by the Cisco Firepower 2100 Series platform. The FPR2140-K9= stands for Firepower 2140 appliance with 1 network module bay and no power supply or fan (spare).

Quick Spec

Figure 1 shows the appearance of FPR2140-K9=.



Table 1 shows the quick spec.

Product Number	FPR2140-K9=
Product Description	Firepower 2140 appliance with 1 network module bay and no power supply or fan (spare)
ASA Performance and Capabilities on Firepower Appliances	
Stateful inspection firewall throughput	20 Gbps
Stateful inspection firewall throughput (multiprotocol)	10 Gbps
Concurrent firewall connections	3 million
New connections per second	75000

Hardware Specifications	
Dimensions (H x W x D)	1.73 x 16.90 x 19.76 in. (4.4 x 42.9 x 50.2 cm)
Form factor (rack units)	1RU
I/O module slots	1 NM slot
Integrated I/O	12 x 10M/100M/1GBASE-T Ethernet interfaces (RJ-45), 4 x 10 Gigabit (SFP+) Ethernet interfaces
Network modules	(FPR-NM-8X10G) 8 x 10 Gigabit Ethernet Enhanced Small Form-Factor Pluggable (SFP+) network module
Maximum number of interfaces	Up to 24 total Ethernet ports (12x1G RJ-45, 4x10G SFP+, and network module with 8x10G SFP+)

Compare to Similar Items

Table 2 shows the comparison between FPR2140-K9= and FPR2110-K9=.

Product Number	FPR2140-K9=	FPR2110-K9=
Product Description	Firepower 2140 appliance with 1 network module bay and no power supply or fan (spare)	Firepower 2110 appliance 1 RU with no power supply or fan (spare)
Performance and Capabilities on Firepower Appliances		
Stateful inspection firewall throughput	20 Gbps	3 Gbps
Stateful inspection firewall throughput (multiprotocol)	10 Gbps	1.5 Gbps
Concurrent firewall connections	3 million	1 million
New connections per second	75000	18000
Hardware Specifications		
Dimensions (H x W x D)	1.73 x 16.90 x 19.76 in. (4.4 x 42.9 x 50.2 cm)	1.73 x 16.90 x 19.76 in. (4.4 x 42.9 x 50.2 cm)
Form factor (rack units)	1RU	1RU

Integrated network management ports	1 x 10M/100M/1GBASE-T Ethernet port (RJ-45)
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Specification

FPR2140-K9= Specification	
Product Number	FPR2140-K9=
Product Description	Firepower 2140 appliance with 1 network module bay and no power supply or fan (spare)
Performance and Capabilities on Firepower Appliances	
Stateful inspection firewall throughput	20 Gbps
Stateful inspection firewall throughput (multiprotocol)	10 Gbps
Concurrent firewall connections	3 million
New connections per second	75000
IPsec VPN throughput (450B UDP L2L test)	2 Gbps
IPsec/Cisco AnyConnect/Apex site-to-site VPN peers	10000
Maximum number of VLANs	1024

Security contexts (included; maximum)	2; 40	
High availability	Active/active and active/standby	
Scalability	VPN Load Balancing	
Centralized management	Centralized configuration, logging, monitoring, and reporting are performed by Cisco Security Manager or alternatively in the cloud with Cisco Defense Orchestrator	
Adaptive Security Device Manager	Web-based, local management for small-scale deployments	
Hardware Specifications		
Dimensions (H x W x D)	1.73 x 16.90 x 19.76 in. (4.4 x 42.9 x 50.2 cm)	
Form factor (rack units)	1RU	
I/O module slots	1 NM slot	
Integrated I/O	12 x 10M/100M/1GBASE-T Ethernet interfaces (RJ-45), 4 x 10 Gigabit (SFP+) Ethernet interfaces	
Network modules	(FPR-NM-8X10G) 8 x 10 Gigabit Ethernet Enhanced Small Form-Factor Pluggable (SFP+) network module	
Maximum number of interfaces	Up to 24 total Ethernet ports (12x1G RJ-45, 4x10G SFP+, and network module with 8x10G SFP+)	
Integrated network management ports	1 x 10M/100M/1GBASE-T Ethernet port (RJ-45)	
Serial port	1 x RJ-45 console	
USB	1 x USB 2.0 Type-A (500mA)	
Storage	1x 200 GB, 1x spare slot (for MSP)	
Power supplies	Configuration	Dual 400W AC. Single/dual 350W DC optional
	AC input voltage	100 to 240V AC
	AC maximum input current	< 6A at 100V
	AC maximum output power	400W
	AC frequency	50 to 60 Hz
	AC efficiency	>89% at 50% load
	DC input voltage	-48V to -60VDC
	DC maximum input current	< 12.5A at -48V
	DC maximum output power	350W
	DC efficiency	>88% at 50% load
	Redundancy	1+1 AC or DC with dual supplies
Fans	1 hot-swappable fan module (with 4 fans)	
Noise	56 dBA @ 25C 77 dBA at highest system performance.	
Rack mountable	Yes. Mount rails included (4-post EIA-310-D rack)	
Weight	21 lb (9.53 kg) 2 x power supplies, 1 x NM, 1 x fan module, 2x SSDs	
Temperature: operating	32 to 104°F (0 to 40°C)	

Temperature: nonoperating	-4 to 149°F (-20 to 65°C)
Humidity: operating	10 to 85% noncondensing
Humidity: nonoperating	5 to 95% noncondensing
Altitude: operating	10,000 ft (max)
Altitude: nonoperating	40,000 ft (max)

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Contact Us

- Tel: Address: 3/F,Building B, 312 Jihua Road, Debaoli IndustrialZone, Bantian, Shenzhen, Longgang District, China
- Fax: +86 18038172140
- Email:cs@linknewnet.com