



Cisco Firepower 8000 Series Appliances Datasheet



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OVERVIEW

Finding a network security appliance with exactly the right throughput, interface options, and threat protection for all the different segments of your network is hard enough. Even if you find the perfect match for your requirements now, it's tough to plan for what you'll need in the future - especially within your current budget.

The Cisco FirePOWER™ 8000 Series Appliances help future proof your security appliance decision. They marry an extensible modular platform with the industry's best threat protection, according to testing by NSS Labs. They are designed to fit your network requirements today and in the future.

APPEARANCE

Figure 1. Cisco Firepower 8120/8130/8140



Figure 2. Cisco Firepower 8250/8260/8270/8290



Figure 3. Cisco Firepower 8350/8260/8370/8390



FEATURES AND BENEFITS

The Cisco FirePOWER 8000 Series Appliances are the base platform for the Cisco FirePOWER next-generation Intrusion Prevention System (NGIPS) threat protection solution. These appliances provide integrated real-time contextual awareness, full-stack visibility, and intelligent security

automation. The result? Security you can count on, combined with reliable performance and a low total cost of ownership. Threat protection can be expanded with optional subscription licenses to provide Advanced Malware Protection (AMP) and application visibility and control. Cisco FirePOWER Appliances set the industry benchmark for threat detection effectiveness, inspected throughput, and value as measured by studies conducted by NSS Labs, the world's leading information security research and advisory company.

PRODUCT SPECIFICATIONS

Instead of the usual fixed port configuration of most high-end security appliances, the modularity of the Cisco FirePOWER 8000 Series Appliances lets you to choose the number and type of interfaces appropriate for your network. Various network modules (NetMods) are inserted into the Cisco FirePOWER 8000 Series Appliances to customize the interface configuration to match your network requirements. NetMods can either be “non-bypass” (useful in passive or fail-closed deployments) or “integrated fail-open/bypass” (useful in inline deployments). They are available in the options shown in Table 1.

Table 1. NetMod Options for the Cisco FirePOWER 8000 Series

Integrated Fail-Open/Bypass NetMods	Non-Bypass NetMods
1-Gbps 4-port copper	1-Gbps 4-port copper
1-Gbps 4-port fiber	1-Gbps 4-port fiber
10-Gbps 2-port fiber SR (short-reach)	10-Gbps 4-port fiber SR (short-reach)
10-Gbps 2-port fiber LR (long-reach)	10-Gbps 4-port fiber (long-reach)
40-Gbps 2-port fiber SR	

This approach gives you a low entry price and a simple upgrade path. If you require 1-Gbps copper ports today but will require a 10-Gbps fiber support in the future, this modular approach gives you the option to simply add or swap out a NetMod and have exactly what you need to fit your network at all times. With up to 7 NetMod slots per chassis, the Cisco FirePOWER 8000 Series Appliances offer increased port density.

At the heart of the new Cisco FirePOWER 8000 Series Appliances lies purpose-built breakthrough acceleration technology, providing superior performance with greater space and energy efficiency. Optimized for network security processing, Cisco FirePOWER delivers this performance with purpose-built hardware acceleration technology. It uses three separate data processing stages, each custom-designed for particular workloads.



The Cisco FirePOWER 8000 Series Appliances range from 2-Gbps of inspected throughput all the way up to an enterprise-level 60 Gbps of inspected throughput. The Cisco FirePOWER 8200 and 8300 Series Appliances can be stacked one on top of the other to increase their throughput speed, resulting in a 2- to 8-chassis size. Competing products that deliver similar bandwidth often require entire data center racks or a rack and a half of space - up to 34 rack units. So the Cisco FirePOWER 8000 Series Appliances' port density and their capability to be racked and stacked (so they take up less data center space) make them an exceptional economic and eco-efficient value.

The Cisco FirePOWER 8000 Series Appliances provide other valuable innovations. Their modularity helps you flexibly configure and change network options as bandwidth requirements increase. And they offer lights-out management for remote network configuration without requiring physical access.

Tables 2 through 4 provide more details on the performance and functions of Cisco FirePOWER 8000 Series Appliances.

Table 2. FirePOWER 8350, 8360, 8370, and 8390 Appliances: Performance and Functionality

Model	8350	8360	8370	8390
IPS Throughput	15 Gbps	30 Gbps	45 Gbps	60 Gbps
Model Throughput	30 Gbps	60 Gbps	90 Gbps	120 Gbps
Modular Interfaces	Up to 7 modules in any combination	Up to 6 modules in any combination	Up to 5 modules in any combination	Up to 4 modules in any combination
Monitoring Interfaces (Configurable Bypass)	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR; (2) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR; (2) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR; (2) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR; (2) 10-Gbps LR
Monitoring Interfaces (Non-Bypass)	(4) 1-Gbps copper; (4) 1-Gbps fiber; (4) 10-Gbps SR; (4) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (4) 10-Gbps SR; (4) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (4) 10-Gbps SR; (4) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (4) 10-Gbps SR; (4) 10-Gbps LR
Management	RJ45	RJ45	RJ45	RJ45

Interfaces				
Management Interface Speed	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Typical Latency	< 150 microseconds	< 150 microseconds	< 150 microseconds	< 150 microseconds
Memory (RAM)	128 GB	256 GB	384 GB	512 GB
Lights-Out Management	Yes	Yes	Yes	Yes
Stackable	Up to 3 stacking kits can be added for a total stack size of four - 60-Gbps IPS	Up to 2 stacking kits can be added for a total stack size of four - 60-Gbps IPS	1 stacking kit can be added for a total stack size of four - see 8390 for details	Fully stacked. No further expansion possible.
FirePOWER	Yes	Yes	Yes	Yes
Dual Power Supplies	Yes	Yes	Yes	Yes
Hard Drives	Solid state	Solid state	Solid state	Solid state
Cooling Fans	6	12	18	24

Table 3. Cisco FirePOWER 8250, 8260, 8270, and 8290 Appliances: Performance and Functionality

Model	8250	8260	8270	8290
IPS Throughput	10 Gbps	20 Gbps	30 Gbps	40 Gbps
Model Throughput	20 Gbps	40 Gbps	60 Gbps	80 Gbps
Modular Interfaces	Up to 7 modules in any combination	Up to 6 modules in any combination	Up to 5 modules in any combination	Up to 4 modules in any combination
Monitoring Interfaces (Configurable Bypass)	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR; (2) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR; (2) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR; (2) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR; (2) 10-Gbps LR
Monitoring Interfaces	(4) 1-Gbps copper; (4) 1-Gbps fiber;	(4) 1-Gbps copper; (4) 1-Gbps fiber;	(4) 1-Gbps copper; (4) 1-Gbps fiber;	(4) 1-Gbps copper;

(Non-Bypass)	(4) 10-Gbps SR; (4) 10-Gbps LR	(4) 10-Gbps SR; (4) 10-Gbps LR	(4) 10-Gbps SR; (4) 10-Gbps LR	(4) 1-Gbps fiber; (4) 10-Gbps SR; (4) 10-Gbps LR
Management Interfaces	RJ45	RJ45	RJ45	RJ45
Management Interface Speed	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Typical Latency	< 150 microseconds	< 150 microseconds	< 150 microseconds	< 150 microseconds
Memory (RAM)	48 GB	96 GB	144 GB	192 GB
Lights-Out Management	Yes	Yes	Yes	Yes
Stackable	Up to 3 stacking kits can be added for a total stack size of four - 40-Gbps IPS	Up to 2 stacking kits can be added for a total stack size of four - 40-Gbps IPS	1 stacking kit can be added for a total stack size of four - see 8290 for details	Fully stacked. No further expansion possible.
FirePOWER	Yes	Yes	Yes	Yes
Dual Power Supplies	Yes	Yes	Yes	Yes
Hard Drives	Solid state	Solid state	Solid state	Solid state
Cooling Fans	6	12	18	24

Table 4. Cisco FirePOWER 8100 Series Appliances: Performance and Functionality

Model	8120	8130	8140	Model
IPS Throughput	2 Gbps	4 Gbps	6 Gbps	IPS Throughput
Model Throughput	4 Gbps	8 Gbps	10 Gbps	Model Throughput
Modular Interfaces	Yes - up to 3 modules in any combination	Yes - up to 3 modules in any combination	Yes - up to 3 modules in any combination	Modular Interfaces
Monitoring Interfaces (Configurable)	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR;	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR;	(4) 1-Gbps copper; (4) 1-Gbps fiber; (2) 10-Gbps SR;	Monitoring Interfaces (Configurable)

Bypass)	(2) 10-Gbps LR	(2) 10-Gbps LR	(2) 10-Gbps LR	Bypass)
Monitoring Interfaces (Non-Bypass)	(4) 1-Gbps copper; (4) 1-Gbps fiber; (4) 10-Gbps SR; (4) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (4) 10-Gbps SR; (4) 10-Gbps LR	(4) 1-Gbps copper; (4) 1-Gbps fiber; (4) 10-Gbps SR; (4) 10-Gbps LR	Monitoring Interfaces (Non-Bypass)
Management Interfaces	RJ45	RJ45	RJ45	Management Interfaces
Management Interface Speed	10/100/1000	10/100/1000	10/100/1000	Management Interface Speed
Typical Latency	< 150 microseconds	< 150 microseconds	< 150 microseconds	Typical Latency
Memory (RAM)	24 GB	24 GB	24 GB	Memory (RAM)
Lights-Out Management	Yes	Yes	Yes	Lights-Out Management
Stackable	No	No	1 stacking kit can be added for a total stack size of two - 12-Gbps IPS	Stackable
FirePOWER™	Yes	Yes	Yes	FirePOWER™
Dual Power Supplies	Yes	Yes	Yes	Dual Power Supplies
Hard Drives	Solid state	Solid state	Solid state	Hard Drives
Cooling Fans	10	10	10	Cooling Fans

* Exact network performance experienced will vary depending on conditions outside of the control of Cisco, including the protocol mix and average packet size inspected. While IPS throughput is stated here, please note that these appliances can also be deployed as next-generation firewall and AMP devices.

All Cisco FirePOWER 8000 Series appliances offer:

- LCD management interface
- Serial over Ethernet console access
- Solid-state disk drives

- Redundant hot-swappable power supplies

ORDERING INFORMATION

Table 5. Ordering information

Product number	Product description
Firewalls	
FP8120-K9	Cisco FirePOWER 8120 Chassis. 1U. 3 Slots
FP8120-K9-RF	Cisco FirePOWER 8120 Chassis. 1U. 3 Slots REMANUFACTURED
FP8130-K9	Cisco FirePOWER 8130 Chassis. 1U. 3 Slots
FP8130-K9-RF	Cisco FirePOWER 8130 Chassis. 1U. 3 Slots REMANUFACTURED
FP8140-K9	Cisco FirePOWER 8140 Chassis. 1U. 3 Slots
FP8250-K9-RF	Cisco FirePOWER 8250 Chassis. 2U. 7 Slots REMANUFACTURED
FP8350-K9	Cisco FirePOWER 8350 Chassis. 2U. 7 Slots
FP8350-K9-RF	Cisco FirePOWER 8350 Chassis. 2U. 7 Slots REMANUFACTURED
FP8360-K9	Cisco FirePOWER 8360 Chassis. 4U. 6 Slots (40Gbps Ready)
FP8370-K9	Cisco FirePOWER 8370 Chassis. 6U. 5 Slots (40Gbps Ready)
FP8390-K9	Cisco FirePOWER 8390 Chassis. 8U. 4 Slots (40Gbps Ready)
Accessories	
FP8140-STACK-K9	Cisco FirePOWER Stacking Kit for 8140
FP8300-STACK-K9	Cisco FirePOWER Stacking Kit for 8300

[FP8300-STACK-K9-RF](#)

Cisco FirePOWER Stacking Kit for 8300 REMANUFACTURED

WHERE TO BUY

Want to buy this series of products? please contact:

- Tel: +1-626-239-8066 (USA) +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
- Email: cisco@router-switch.com (Sales Inquiries)

Or visit: [Cisco Firepower 8000 Series Appliances](#)

About us

Router-switch.com (HongKong Yejian Technologies Co., Ltd), founded in 2002, is one of the biggest Global Network Hardware Supplier. We are a leading provider of network products with 18,000+ customers in over 200 countries. We provide original new and used network equipments ([Cisco](#), [Huawei](#), [HPE](#), [Dell](#), [Juniper](#), EMC, etc.), including Routers, Switches, Servers, Storage, Telepresence and Videoconferencing, IP Phones, Firewalls, Wireless APs & Controllers, EHWIC/HWIC/VWIC Cards, SFPs, Memory & Flash, Hard Disk, Cables, and all kinds of network solutions related products.

SOURCES

<https://www.cisco.com/c/en/us/products/collateral/security/firepower-8000-series-appliances/datasheet-c78-732955.html>