

Cisco FirePOWER 7000 Series Appliances Data Sheet

Product Overview

The modern network is diverse, resulting in a wide variety of throughput, connectivity, and security requirements within a single organization. Data center constraints on space, power, and cooling just add to your challenges of finding the right network security device. The Cisco FirePOWER™ 7000 Series solves these challenges by providing leading threat protection appliances with scalability, energy efficiency, and a low total cost of ownership. The Cisco FirePOWER 7000 Series Appliances are the base platform for the Cisco FirePOWER next-generation Intrusion Prevention System (NGIPS) threat protection solution. They integrate real-time contextual awareness, full-stack visibility, and intelligent security automation to deliver effective security, reliable performance, and a lower cost of ownership. Threat protection can be expanded with optional subscription licenses to provide Advanced Malware Protection (AMP) and application visibility and control.

Optimized for network security processing, FirePOWER delivers breakthrough performance with purpose-built hardware acceleration technology and by using three separate data processing stages, each custom designed for particular workloads. With eight throughput models (from 50 Mbps to 1.25 Gbps) and up to 12 available ports to support mixed media, the Cisco FirePOWER 7000 Series enables you to deploy security appliances based on network link and organizational use case requirements.

Mixed-Media Support Through Small Form-Factor Pluggable Technology

While other Cisco FirePOWER 7000 Series Appliances provide fixed connectivity (either copper or fiber), the Cisco FirePOWER 7115 and 7125 appliances support mixed-media capabilities in 12 available ports - 4 copper configurable-bypass ports and 8 non-bypass Small Form-Factor Pluggable (SFP) socket ports. This mixed-media and increased port density easily integrate with your existing network environment and allow you to address more network configurations with a single device.

The Cisco FirePOWER 7000 Series Appliances perfectly complement the higher-throughput Cisco FirePOWER 8000 Series Appliances.

Features and Benefits

In Cisco FirePOWER 7000 Series Appliances, the best technology and features are not reserved for only the most expensive models (Table 1).

Table 1. Cisco FirePOWER 7000 Series Appliances Features and Benefits

Feature	Benefit
Solid state storage	Superior performance and reliability due to no moving parts instead of rotational media such as hard disk drives (HDDs).
Integrated lights-out management	Provides the ability to remotely monitor and manage systems without having to be physically near the appliance.
LCD display and control panel	Enables easy system configuration and access to important system information (CPU use, RAM use, IP address, etc.).
Simple Network Management Protocol monitoring	Monitor systems by automatically generating and sending alerts (intrusion, discovery, malware, correlation, connection events, health status change).

Feature	Benefit
Integrated recovery drive	Recover the system to “as shipped” condition in case of a problem without the need for external drives/USB keys/downloading, etc.
Programmable fail-open interfaces	Flexibility of deployment models for either passive or in-line modes. Network interfaces can automatically fail-open to allow traffic to continue to pass in the event of failure or triggered event.
Redundant power supplies	Provides enterprise-class reliability and system uptime in case of power module failure.

Product Specifications

Table 2. Cisco FirePOWER 7000 Series Appliances Product Specifications

Model	7010	7020	7030	7050	7110	7115	7120	7125
Performance and Functionality								
IPS Throughput*	50 Mbps	100 Mbps	250 Mbps	500 Mbps	500 Mbps	750 Mbps	1 Gbps	1.25 Gbps
Modular Interfaces	No	No	No	No	No	Yes - 8 SFP sockets	No	Yes - 8 SFP sockets
Monitoring Interfaces	(8) 1-Gbps copper	(8) 1-Gbps copper	(8) 1-Gbps copper	(8) 1-Gbps copper	(8) 1-Gbps copper; (8) 1-Gbps short-range fiber s	(12) total - (4) 1-Gbps copper; (8) SFP sockets	(8) 1-Gbps copper; (8) 1-Gbps short-range fiber	(12) total - (4) 1-Gbps copper; (8) SFP sockets
Programmable Fail-Open Interfaces	Yes	Yes	Yes	Yes	Yes	Yes; (4)	Yes	Yes; (4)
Management Interfaces	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45
Management Interface Speed	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000	10/100/1000
Typical Latency	< 150 microseconds	< 150 microseconds	< 150 microseconds	< 150 microseconds	< 150 microseconds	< 150 microseconds	< 150 microseconds	< 150 microseconds
Memory (RAM)	4 GB	4 GB	4 GB	4 GB	16 GB	16 GB	16 GB	16 GB
Lights-Out Management	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Stackable	No	No	No	No	No	No	No	No
Dual Power Supplies	No	No	No	No	Yes	Yes	Yes	Yes
Cooling Fans	2	2	2	2	5	5	5	5

* Exact network performance experienced will vary depending on conditions outside of the control of Cisco, including the protocol mix and average packet size inspected.

Ordering Information

To place an order, go to [How to Buy](#). You can download software [here](#). Bundles and part numbers are listed in Table 3.

Table 3. Cisco FirePOWER 7000 Series Appliances: Bundles and Part Numbers

Product Name	Part Number
Cisco FirePOWER 7010 Chassis and Subscription Bundle	FP7010-BUN
Cisco FirePOWER 7020 Chassis and Subscription Bundle	FP7020-BUN
Cisco FirePOWER 7030 Chassis and Subscription Bundle	FP7030-BUN
Cisco FirePOWER 7050 Chassis and Subscription Bundle	FP7050-BUN
Cisco FirePOWER 7110 Chassis and Subscription Bundle	FP7110-BUN
Cisco FirePOWER 7110 Chassis Fiber and Subscription Bundle	FP7110-FI-BUN
Cisco FirePOWER 7115 Chassis and Subscription Bundle	FP7115-BUN
Cisco FirePOWER 7120 Chassis and Subscription Bundle	FP7120-BUN
Cisco FirePOWER 7120 Chassis Fiber and Subscription Bundle	FP7120-FI-BUN
Cisco FirePOWER 7125 Chassis and Subscription Bundle	FP7125-BUN

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