

# Cisco Secure Firewall Management Center x800 Series



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## Introduction

Cisco® Secure Firewall Management Center (FMC) serves as the centralized administrative hub for managing Cisco Secure Firewalls. It provides comprehensive management across hundreds of firewalls, and enables unified policies application control, intrusion prevention, URL filtering, and advanced malware protection. FMC delivers real-time contextual intelligence about network resources, users, applications, devices, and threats, enabling security teams to make informed decisions and maintain a strong security posture. The FMC x800 series is Cisco's hardware-based firewall management platform, engineered to deliver exceptional performance and advanced security management capabilities. It includes three models: FMC 1800, FMC 2800, and FMC 4800.

Table 1. Key capabilities of Cisco Secure Firewall Management Center

Cisco Secure Firewall Management Center	
<p><b>Centralized Firewall Management</b></p> <ul style="list-style-type: none"> <li>Manages up to 1500 Cisco Secure firewalls from a single unified console, simplifying security administration, and reducing errors and operational costs.</li> <li>Defines threat prevention, URL filtering, malware protection, and advanced security settings in a single access control policy. Separates management domains through role-based access control to differentiate event data, reporting, and network mapping.</li> </ul>	<p><b>Visibility and Analytics</b></p> <ul style="list-style-type: none"> <li>Discovers users, applications, and devices through passive network traffic analysis, providing context to assess attack impact. Accurately identifies and controls more than 8200 applications, enabling precise policy enforcement across cloud, SaaS, and custom workloads.</li> <li>Provides customizable dashboards and reports with alerts, event contextual information, and network behavior monitoring to identify anomalies and maintain system health.</li> </ul>
<p><b>Threat Detection and Response</b></p> <ul style="list-style-type: none"> <li>Incorporates Cisco Talos® threat intelligence feeds and third-party feeds for up-to-date protection against new attack methods, including IP-based and URL-based intelligence.</li> <li>Correlates security events to identify stealthy attacks and triggers automated responses such as email, syslog, Simple Network Management Protocol (SNMP), and remediation modules.</li> </ul>	<p><b>Integration and Ecosystem</b></p> <ul style="list-style-type: none"> <li>Makes integration with other Cisco products and third-party technologies possible through powerful, feature-rich Application Programming Interfaces (APIs).</li> <li>Integrates with Amazon Web Services (AWS), Azure, Google Cloud Platform (GCP), and VMware to create dynamic objects for policy. Controls access based on Cisco Identity Services Engine (ISE) security group tag, device type and location IP, and rapid threat containment.</li> </ul>

## Hardware overview



Figure 1. Front panel of Firewall Management Center x800 Series



Figure 2. Back panel of Firewall Management Center x800 Series

## Performance

Table 2. Performance - Cisco Secure Firewall Management Center x800 series

Metric	FMC 1800	FMC 2800	FMC 4800
Maximum number of sensors managed	50	300	1500
Maximum IPS events	35M	70M	800M
Maximum connection events	120M	360M	2B
Maximum event rate (events per second)	6K events/sec	15K events/sec	60K events/sec
Maximum network map size (hosts/users)	60K/60K	180K/180K	1.5M/600K
High Availability	Active/Standby	Active/Standby	Active/Standby

**Note:** Performance is subject to change with new software releases. Consult your Cisco representative for detailed sizing guidance.

## Hardware specifications

Table 3. Cisco Secure Firewall Management Center x800 series hardware specifications

Specification	FMC 1800	FMC 2800	FMC 4800
<b>Form factor</b>	1RU	1RU	1RU
<b>Management interface</b>	Two 10Gb SFP ports; Two built-in 10Gb RJ45 ports with support for 100 Mbps, 1 Gbps, and 10 Gbps; the primary management port is eth0. You can use eth1, eth2, and eth3 as secondary management or event ports.	Two 10Gb SFP ports; Two built-in 10Gb RJ45 ports with support for 100 Mbps, 1 Gbps, and 10 Gbps; the primary management port is eth0. You can use eth1, eth2, and eth3 as secondary management or event ports.	Two 10/25Gb SFP ports; Two built-in 10Gb RJ45 ports with support for 100 Mbps, 1 Gbps, and 10 Gbps; the primary management port is eth0. You can use eth1, eth2, and eth3 as secondary management or event ports.
<b>USB ports</b>	Two USB 3.0 Type A		
<b>VGA ports</b>	One 3-row 15-pin DB-15 connector; enabled by default		
<b>SFP ports</b>	Two fixed SFP+ ports		
<b>Supported SFP+</b>	SFP-10G-SR (10 GB) SFP-10G-LR (10 GB)	SFP-10G-SR (10 GB) SFP-10G-LR (10 GB)	SFP-10G-SR (10 GB) SFP-10G-LR (10 GB) SFP-25G-SR-S (25 GB) SFP-10/25G-LR-S (25 GB) SFP-10/25G-CSR-S (25 GB)
<b>Network interfaces</b>	2 x 10 Gbps RJ45 onboard  2 x 10 Gbps SFP+	2 x 10 Gbps RJ45 onboard  2 x 10 Gbps SFP+	2 x 10 Gbps RJ45 onboard  2 x 10/25 Gbps SFP+
<b>RDIMMs (internal component only; not field replaceable)</b>	Two 32-GB DDR5-5600-MHz DIMMs	Six 16-GB DDR5-5600-MHz DIMMs	Twelve 32-GB DDR5-5600-MHz DIMMs

Specification	FMC 1800	FMC 2800	FMC 4800
<b>Chassis dimensions (HxWxD)</b>	1.7" x 16.9" x 30" (4.3 x 42.9 x 76.2 cm)		
<b>Weight</b>	32.2 lb (16.6 kg)	34.1 lb (16.8 kg)	36.0 lb (17.0 kg)
<b>Cooling</b>	Eight fans for front-to-rear cooling. Internal component only; not field-replaceable.		
<b>Power Supply</b>			
<b>Configuration</b>	Two 1200-W AC power supplies Hot-swappable and redundant as 1+1		
<b>AC input voltage</b>	100 to 230 VAC		
<b>AC input frequency</b>	50–60 Hz		
<b>AC current draw, maximum</b>	12.97 A at 100 VAC		
<b>Operating range</b>			
<b>Temperature: operating</b>	50 to 95°F (10 to 35°C); Maximum temperature is derated by 1°F/547 ft (1°C/300 m) of altitude above 3117 ft (950 m).		
<b>Humidity: operating</b>	8 to 90% noncondensing		
<b>Altitude: operating</b>	0 to 10,000 ft		
<b>Acoustic noise</b>	Sound power level: 5.8 Bels (measure A-weighted per ISO7779 LWAd); Operation at 73°F (23°C)  Sound pressure level: 43 dBa (measure A-weighted per ISO7779 LpAM); Operation at 73°F (23°C)		
<b>Non-operating/storage environment</b>			
<b>Temperature: nonoperating</b>	–40 to 149°F (–40 to 65°C)		
<b>Humidity: nonoperating</b>	5 to 95% noncondensing		
<b>Altitude: nonoperating</b>	0 to 40,000 ft when the appliance is stored or transported		

## Compliance

For details on product regulatory compliance in a specific market, consult the Cisco [Product Approvals](#) tool.

Table 4. FMC x800 Series NEBS, Regulatory, Safety, Environmental and EMC Compliance

Specification	Description
<b>Regulatory compliance</b>	Products should comply with CE Markings per directives 2014/30/EU and 2014/35/EU
<b>Safety</b>	<ul style="list-style-type: none"> <li>• UL 60950-1/62368-1</li> <li>• CAN/CSA-C22.2 No. 60950-1/62368-1</li> <li>• IEC/EN 60950-1/62368-1</li> <li>• AS/NZS 62368.1</li> <li>• GB 4943.1-2022</li> <li>• CNS 15598-1:2020</li> </ul>
<b>EMC: Emissions</b>	<ul style="list-style-type: none"> <li>• 47CFR Part 15 (CFR 47) Class A</li> <li>• AS/NZS CISPR32 Class A</li> <li>• CISPR32 Class A</li> <li>• EN55032 Class A</li> <li>• ICES003 Class A</li> <li>• VCCI-CISPR32 Class A</li> <li>• EN61000-3-2</li> <li>• EN61000-3-3</li> <li>• KS C 9832 Class A</li> <li>• EN 300386 Class A</li> </ul>
<b>EMC: Immunity</b>	<ul style="list-style-type: none"> <li>• EN55035</li> <li>• EN55024</li> <li>• CISPR24/35</li> <li>• EN300386</li> <li>• KS C 9835</li> <li>• IEC/EN61000-6-1</li> </ul>

## Ordering information

Cisco Secure Firewall Management Center appliances are listed below. For information on licenses, subscriptions, and other options associated with the product, refer to the [Network Security Ordering Guide](#).

Table 5. Cisco Secure Firewall Management Center x800 series Product IDs

Product ID	Description
<b>FMC1800-K9</b>	Cisco Secure Firewall Management Center 1800 Appliance
<b>FMC2800-K9</b>	Cisco Secure Firewall Management Center 2800 Appliance
<b>FMC4800-K9</b>	Cisco Secure Firewall Management Center 4800 Appliance

## Cisco environmental sustainability

Information about Cisco’s environmental sustainability policies and initiatives for our products, solutions, operations, and extended operations or supply chain is provided in the “Environment Sustainability” section of Cisco’s [Corporate Social Responsibility](#) (CSR) Report.

Table 6. Reference links to information about key environmental sustainability topics (mentioned in the “Environment Sustainability” section of the CSR Report) are provided in the following table:

Sustainability topic	Reference
Information on product material content laws and regulations	<a href="#">Materials</a>
Information on electronic waste laws and regulations, including products, batteries, and packaging	<a href="#">WEEE compliance</a>

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