

# Fortinet FS-108F-POE Datasheet



## Product Overview

- Fortinet FortiSwitch Secure Access Series positions the FS-108F-POE as a managed switch focused on security, scalability, and simplicity.
- Designed for SMBs, branch offices, and campus networks, the switch empowers integrators and IT teams seeking robust protection and control.
- It features 8 Gigabit Ethernet PoE ports and 2 SFP uplinks, providing 20 Gbps switching capacity and low 4 μs network latency for fast, reliable performance.
- FortiLink integration lets users manage network security and switch configuration directly from a central FortiGate interface.
- Support for converged data, voice, and wireless traffic streamlines deployment and reduces complexity across modern network environments.
- FS-108F-POE delivers unified visibility and access management—an optimal choice for high-efficiency, security-driven campus and SD-Branch scenarios.

## Product Highlights

- **Flexible Installation Scenarios:** Fits easily from desktop setups to wiring closet deployments, giving small offices and remote sites configuration agility.
- **Comprehensive SD-Branch Solution:** Optimized for SD-Branch networks, enabling consistent access, security, and manageability across distributed locations.
- **Centralized Management via FortiGate:** FortiLink allows the switch to be managed centrally from FortiGate, ensuring seamless control and visibility.
- **Stackability and Robust Performance:** Supports stackable deployment up to 300 switches plus wire-speed switching for responsive and scalable operations.

## Detailed Features



FS-108F-POE

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Component	Specification
Network Interfaces	8x GE RJ45, 2x GE SFP
PoE Ports	8 (802.3af/at)
Switching Capacity	20 Gbps
Form Factor	Desktop / 19" Rack Bracket
Management	Via FortiLink, onboard GUI, CLI, API



## Seamless FortiLink Integration

FS-108F-POE connects tightly to the Fortinet Security Fabric through FortiLink, enabling direct management from the FortiGate interface. This single-point approach increases operational efficiency and provides full network visibility while minimizing complexity, especially for distributed environments.

## Scalable Switch Management

Through centralized FortiGate-based management, the switch auto-discovers new devices and supports configuration, firmware upgrades, VLAN provisioning, and maintenance for up to 300 switches per unified stack. This scalability accommodates network growth without operational disruption or inconsistent policy enforcement.

## Comprehensive Access Control

Supports 802.1X authentication, MAC-based access, port-based controls, and device quarantine directly on the switch. Multiple identity, VLAN, and dynamic port profiles provide granular control of user and device onboarding, reducing security risks and ensuring compliance across all endpoints.

## Advanced High Availability

FS-108F-POE is designed with active-active split link aggregation (LAG), HA cluster support with FortiGate, and stack failover features. This guarantees redundancy and maximizes uptime for mission-critical enterprise or multi-tenant branch networks demanding continuous service.

## Extensive Security Policies

Dynamic communication policy assignment, intra-VLAN traffic blocking, MAC black/white listing, and UTM service integration allow organizations to tightly manage user/device behavior on the network to mitigate lateral threats and elevate compliance posture.

## Integrated IoT Visibility

FortiGuard IoT detection identifies and sorts connected IoT assets, enabling automated device classification and risk monitoring. This increases visibility for non-standard endpoints, supporting secure integration of new smart devices within enterprise networks.

## Advanced Network Services

Features IGMP snooping for multicast optimization, LLDP/MED for device discovery, L3 routing and services, policy-based routing, and comprehensive syslog and SNMP collection to ensure high-performance traffic handling, efficient troubleshooting, and flexible integration with existing IT environments.

## Automated Recommendations & Updates

With built-in device detection and Security Rating recommendations, FS-108F-POE adapts network policies and provisioning as threats or compliance requirements evolve. Simplified firmware distribution and dynamic profiling enhance day-to-day management and future-proofs network investment.

# Technical Specifications

## Product Specifications

Feature	Value
Total Network Interfaces	8x GE RJ45 and 2x GE SFP
Dedicated Management 10/100 Port	0
RJ-45 Serial Console Port	1
Form Factor	Desktop / 19" Rack Bracket
Power over Ethernet (PoE) Ports	8 (802.3af/at)
PoE Power Budget	65 W
Mean Time Between Failures	> 10 years
Switching Capacity (Duplex)	20 Gbps
Packets Per Second (Duplex)	30 Mpps
MAC Address Storage	8 K
Network Latency	4 $\mu$ s



Feature	Value
VLANs Supported	4 K
Link Aggregation Group Size	8
Total Link Aggregation Groups	8
Packet Buffers	512 KB
DRAM	256 MB DDR3
FLASH	32 MB
ACL	768
Spanning Tree Instances	16
Height	1.73 inches (44 mm)
Depth	8.23 inches (209 mm)
Width	9.85 inches (250 mm)
Weight	3.75 lbs (1.70 kg)
Power Required	100–240V AC, 50/60 Hz
Power Supply	AC Built in
Redundant Power	No
Power Consumption	74.4 W
Heat Dissipation	34.12 BTU/h
Operating Temperature (Min)	32°F (0°C)
Operating Temperature (Max)	113°F (45°C)
Storage Temperature (Min)	-40°F (-40°C)
Storage Temperature (Max)	158°F (70°C)
Humidity	5–95% non-condensing
Air-Flow Direction	side-to-back
Certification and Compliance	FCC, CE, RCM, VCCI, BSMI, UL, CB, RoHS2

## Product Comparison

Feature	FS-108F-POE	C9300L-24P-4X-A	C1000-8P-2G-L
Switching Capacity	20 Gbps	56 Gbps	20 Gbps



Feature	FS-108F-POE	C9300L-24P-4X-A	C1000-8P-2G-L
Ethernet Ports	8x GE RJ45, 2x GE SFP	24x GE RJ45, 4x GE SFP	8x GE RJ45, 2x GE SFP
PoE Ports	8 PoE (802.3af/at)	24 PoE	8 PoE
PoE Budget	65 W	370 W	120 W
Stacking Support	Up to 300 per FortiGate	Stackable, Cisco StackWise	Not stackable
Centralized Management	Via FortiGate/FortiLink	Cisco DNA Center/Web UI	Web UI, limited CLI
Layer 3 Routing	With FortiGate integration	Yes, full	No
Redundant Power	No	Yes, optional	No
Use Case/ Deployment	SD-Branch, campus, SMB	Enterprise access, larger branches	Small offices, entry-level switches

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> <li>- Power Adapter</li> <li>- Mounting Bracket</li> <li>- Quick Installation Guide</li> </ul>
Optional Accessories	<ul style="list-style-type: none"> <li>- SFP Transceiver</li> <li>- Rack Mount Kit</li> <li>- PoE Injector</li> </ul>



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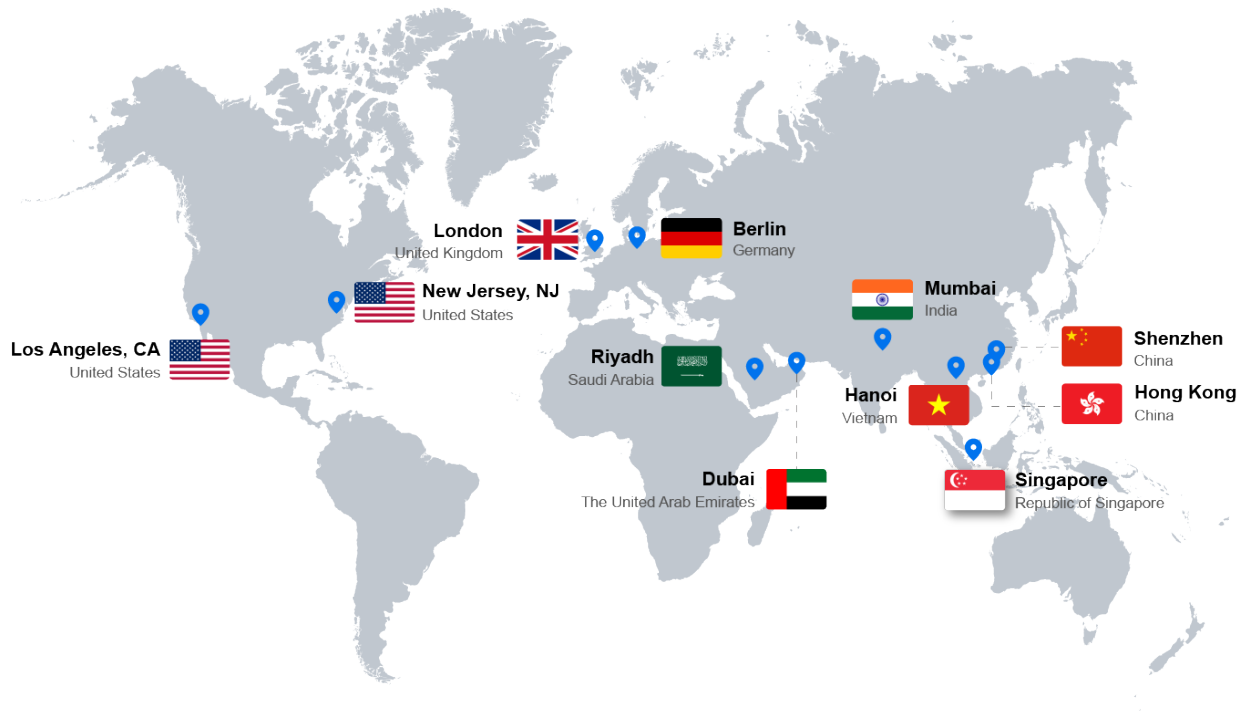
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## References

[1] Fortinet. (2023). FortiSwitch Secure Access Series Datasheet. Retrieved from [https://25396221.fs1.hubspotusercontent-eu1.net/hubfs/25396235/Security/Fortinet/Datasheet\\_FortiSwitch\\_Secure\\_Access\\_Series.pdf](https://25396221.fs1.hubspotusercontent-eu1.net/hubfs/25396235/Security/Fortinet/Datasheet_FortiSwitch_Secure_Access_Series.pdf)