

# Fortinet FS-108F

## Datasheet



## Product Overview

- Fortinet's FortiSwitch Secure Access series delivers reliable, high-security network performance for modern business needs.
- Suitable for SD-Branch, campuses, and businesses seeking enhanced threat protection and unified user management.
- The FS-108F has 7 GE RJ45, 1 GE/PoE-PD RJ45, and 2 GE SFP ports, 20 Gbps switching, and 30 Mpps forwarding.
- Advanced integration with Fortinet Security Fabric offers unique features like centralized access control and network convergence.
- Flexible deployment and single-pane management streamline operations and give administrators full network visibility.
- The FS-108F meets the demands of growing organizations needing secure, simple, and scalable connectivity across various applications.

## Product Highlights

- **Flexible Deployment Options:** Designed for desktop to wiring closet installations, supporting versatile network layouts and expansion scenarios.
- **Centralized Management:** Seamless security and access control through FortiGate interfaces with FortiLink for efficient supervision.
- **Unified Network Traffic Handling:** Optimized for environments combining voice, data, and wireless traffic on a single platform.
- **Enhanced Scalability:** Stack up to 300 switches per FortiGate, with support for wire-speed switching and store-and-forward capabilities.

## Detailed Features



FS-108F

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Component	Specification
Switch Ports	7x GE RJ45, 1x GE/POE-PD RJ45, 2x GE SFP
Switching Capacity	20 Gbps
Form Factor	Desktop
Forwarding Rate	30 Mpps



## Tight Security Integration

The FS-108F integrates deeply with the Fortinet Security Fabric via FortiLink, enabling advanced end-to-end security policies for users and devices across the network. This ensures consistent threat protection and visibility, leveraging FortiGate's firewall, IPS, application control, and botnet defense features in a single ecosystem.

## Centralized Management Efficiency

With FortiLink stacking and unified management from the FortiGate interface, network administrators can handle up to 300 switches centrally. This approach streamlines configuration, monitoring, firmware upgrades, VLAN management, and policy enforcement, drastically reducing operational workload and response times.

## Advanced Network Configuration

The device enables dynamic link aggregation, high-availability deployments, auto-discovery of switches, and supports active-active split LAG for redundancy. These capabilities ensure reliable connectivity and optimal performance for mission-critical business workloads in dynamic enterprise scenarios.

## Comprehensive VLAN and PoE Controls

Through integrated FortiGate management, the FS-108F facilitates centralized VLAN configuration and dynamic port profiles, adapting quickly to evolving business network topologies. Even in PoE-free models, granular switch power control features keep network behavior predictable and efficient for varying user requirements.

## Deep Network Security and Access Control

The FS-108F implements 802.1X authentication (port/MAC/MAB), host quarantine, MAC black/white listing, DHCP snooping, and device detection, providing granular user and device-based policy enforcement. Integrated NAC functions ensure compliance and limit unauthorized access within the network perimeter.

## Robust Automation and High Availability

Automated detection, recommendations, and high availability configurations reduce network downtime. The switch can be firmware-provisioned upon authorization and supports clustering, which is ideal for businesses seeking resilient and fail-safe connectivity solutions.

## Rich Layer 3 and Routing Services

Featuring L3 routing and policy-based routing via FortiGate, the FS-108F empowers dynamic traffic steering, route optimization, and service segmentation. Multi-tenancy support through virtual domains ensures secure, isolated communications across business divisions or locations.

## End-to-End Visibility and Compliance

Syslog collection, IGMP snooping, LLDP/MED, FortiGuard IoT identification, and security rating recommendations give full situational awareness. Administrators can tightly monitor, audit, and optimize network operations to meet compliance mandates and strategic IT goals.

# Technical Specifications

## Product Specifications

Feature	Value
Total Network Interfaces	7x GE RJ45, 1x GE/POE-PD RJ45, and 2x GE SFP
Dedicated Management 10/100 Port	0
RJ-45 Serial Console Port	1
Form Factor	Desktop
Power over Ethernet (PoE) Ports	0
PoE Power Budget	0
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 x Depth x Width (inches)	1.18 x 4.72 x 7.09
Height x Depth x Width (mm)	30 x 120 x 180
Weight	1.36 lbs (0.62 kg)
Power Required	100–240V AC, 50/60 Hz / PoE-PSE(af)
Power Supply	12V/1A DC power adapter included, PoE-PD Built in
Redundant Power	No
Power Consumption	6.2 W
Heat Dissipation	21.142 BTU/h
Operating Temperature	32–113°F (0–45°C)
Storage Temperature	-49–158°F (-40–70°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	6450P24-K12-US	C1000-48P-4G-L
Port Configuration	7x GE RJ45, 1x GE/PoE-PD RJ45, 2x GE SFP	24x GE RJ45 PoE+, 2x 1G SFP	48x GE RJ45 PoE+, 4x 1G SFP
Switching Capacity	20 Gbps	128 Gbps	104 Gbps
PoE Support	0	Yes (PoE+)	Yes (PoE+)
Stacking Support	Up to 300 per FortiGate	Yes	Yes



Feature	FS-108F	6450P24-K12-US	C1000-48P-4G-L
Console Port	1 RJ-45	1 RJ-45	1 RJ-45
Management	FortiGate Central (FortiLink), onboard GUI/API/CLI	Web GUI, SNMP, CLI	Web GUI, SNMP, CLI
VLAN Support	4K VLANs	4K VLANs	4K VLANs
Intended Application	SD-Branch, campus, secure edge	Enterprise/campus PoE edge	Enterprise/campus PoE edge

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> <li>- 12V/1A DC Power Adapter</li> <li>- Quick Installation Guide</li> <li>- Rack Mount Brackets</li> </ul>
Optional Accessories	<ul style="list-style-type: none"> <li>- SFP Transceiver</li> <li>- Stacking Cable</li> <li>- Console Management Cable</li> </ul>



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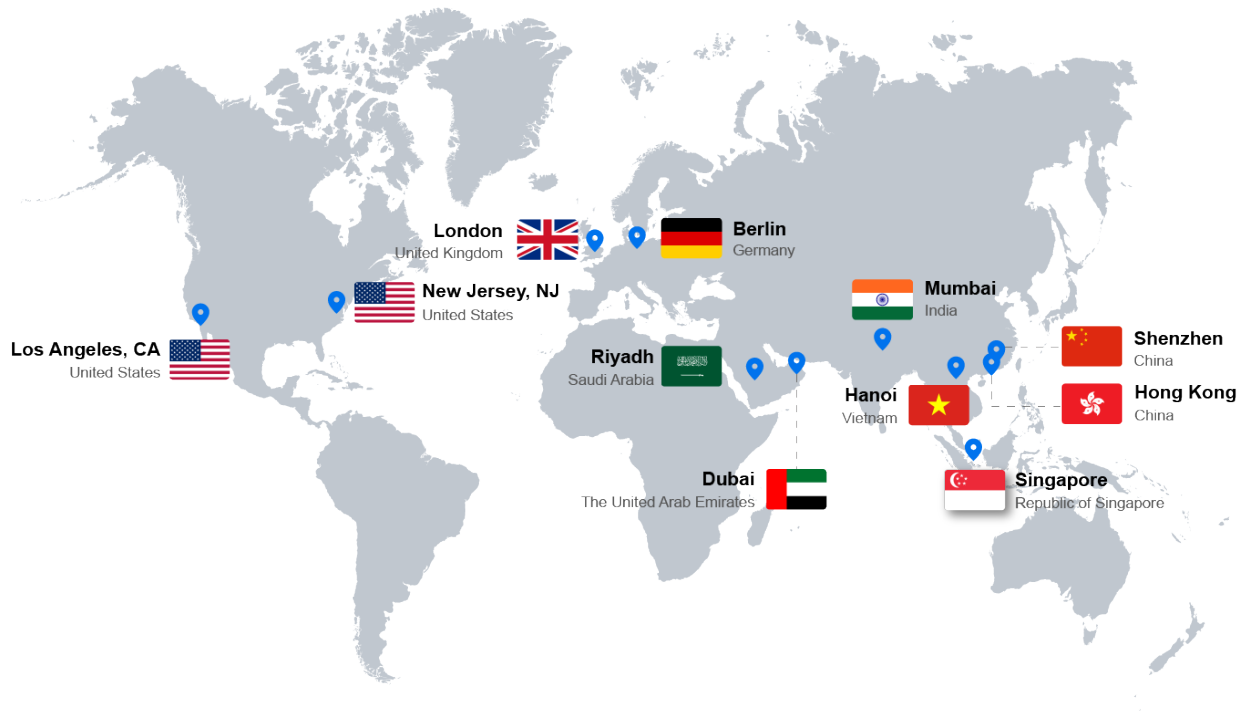
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## Global Footprint

Global Warehouses & Service Centers Across Continents.



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## References

[1] Fortinet. (2023). FortiSwitch Secure Access Series Datasheet. Retrieved from [https://25396221.fs1.hubspotusercontent-eu1.net/hubfs/25396233/Security/Fortinet/Datasheet\\_FortiSwitch\\_Secure\\_Access\\_Series.pdf](https://25396221.fs1.hubspotusercontent-eu1.net/hubfs/25396233/Security/Fortinet/Datasheet_FortiSwitch_Secure_Access_Series.pdf)