

# Fortinet FS-124F

## Datasheet

## Product Overview

- The Fortinet FS-124F is part of the FortiSwitch Secure Access family, delivering secure, high-performance network switching for enterprise environments.
- Designed for branch offices, campuses, and businesses seeking robust security and unified network management, FS-124F fits both small and large deployments.
- The switch offers 24 GE RJ45 ports, 4x 10GE SFP+ uplinks, a switching capacity of 128 Gbps, and ultra-low latency under 1µs—suitable for demanding workloads.
- FS-124F stands out with FortiLink integration for direct control from FortiGate, seamless SD-Branch support, and flexible management options.
- Centralized management through the FortiGate interface simplifies policy deployment, visibility, and device control across wired and wireless environments.
- The FS-124F enables unified security and network access, optimizing operational efficiency for evolving business needs in modern digital workplaces.

## Product Highlights

- **Flexible Deployment Options:** Designed for a wide range of scenarios, from desktop setups to wiring closets and large SD-Branch deployments.
- **Converged Traffic Handling:** Voice, data, and wireless traffic flow over a single, optimized network infrastructure, supporting both FortiLink and traditional modes.
- **High-Density and Stackable Design:** Offers up to 48 ports in a compact 1 RU chassis; stack up to 300 switches per FortiGate.
- **Wire-Speed Performance:** Supports wire-speed switching and store-and-forward mode to ensure high data throughput and reliable traffic forwarding.

## Detailed Features



FS-124F

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Component	Specification
Network Interfaces	24x GE RJ45, 4x 10GE SFP+
Switching Capacity	128 Gbps
Form Factor	1 RU Rack Mount
MTBF	>10 years
Console Port	1x RJ-45 Serial



## Integrated Security Fabric

The FS-124F is seamlessly integrated into Fortinet's Security Fabric via FortiLink, allowing comprehensive visibility and policy control directly from the FortiGate security appliance. This centralization ensures consistent enforcement of policies and simplifies managing users and devices throughout your infrastructure, spanning both wired and wireless segments.

## Scalable Switch Management

Through FortiLink, you can auto-discover, stack, and centrally manage between 8 to 300 FS-124F switches, depending on your FortiGate model. Layer 2 and Layer 3 configurations, automated firmware upgrades, and VLAN management can be conducted using a single interface, streamlining network expansion and ongoing operations.

## Flexible Configuration and High Availability

The FS-124F offers multiple management methods including onboard GUI, API, CLI, and is compatible with HA FortiGate clusters for increased reliability. Support for link aggregation, split LAG, and dynamic port profiles ensures strong redundancy, load balancing, and simplified configuration for complex network topologies.

## Layer 3 Services and Virtual Domain Support

Advanced Layer 3 features such as policy-based routing, static/DHCP routing, and virtual domains are available via FortiGate integration. This design supports segmented, multi-tenant, and multi-domain network environments while enabling high-speed routing for enterprise-level workloads.

## Advanced Access Control

The switch supports robust authentication methods including 802.1X (port-based or MAC-based) and integrates syslog collection and DHCP snooping. FortiGate-based device detection and host quarantine strengthen internal security, while VLAN and user policy controls enforce protection on wired and wireless edges.

## Network Visibility and Automated Defense

FS-124F offers MAC black/white listing, automated device detection, IoT identification, and network device quarantine. FortiSwitch recommendations enhance the Security Rating framework, creating actionable intelligence and fast incident response for network operators.

## Comprehensive NAC and UTM Integration

Native support for Fortinet's NAC integrates seamlessly with UTM functions: firewalling, intrusion prevention, antivirus (AV), application control, and botnet defense directly through the switch/FortiGate fabric. This allows for holistic enforcement across the organization from a single management platform.

## Efficient Traffic Management

Features like LLDP/MED, IGMP snooping, spanning tree, and port profiles ensure efficient handling of voice, video, and data. Centralized controller traffic collection and integrated store-and-forward mode guarantee high performance and optimized quality of service in dynamic enterprise environments.

# Technical Specifications

## Product Specifications

Feature	Value
Total Network Interfaces	24x GE RJ45 and 4x 10GE SFP+
Dedicated Management 10/100 Port	0
RJ-45 Serial Console Port	1
Form Factor	1 RU Rack Mount
Power over Ethernet (PoE) Ports	0
PoE Power Budget	0
Mean Time Between Failures	> 10 years
Switching Capacity (Duplex)	128 Gbps
Packets Per Second (Duplex)	190 Mpps
MAC Address Storage	32 K



Feature	Value
Network Latency	< 1μs
VLANs Supported	4 K
Link Aggregation Group Size	8
Total Link Aggregation Groups	128
Packet Buffers	2 MB
DRAM	512 MB DDR3
FLASH	64 MB
Height x Depth x Width (inches)	1.73 x 9.06 x 12.99
Height x Depth x Width (mm)	44 x 230 x 330
Weight	4.48 lbs (2.03 kg)
Power Required	100–240V AC, 50–60 Hz
Power Supply	AC Built in
Redundant Power	—
Power Consumption (Average / Maximum)	24.8 W / 26.3 W
Heat Dissipation	89.683 BTU/h
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-4–158°F (-40–70°C)
Humidity	10–90% non-condensing
Air-Flow Direction	side-to-back
Certification and Compliance	FCC, CE, RCM, VCCI, BSMI, UL, CB, RoHS2

## Product Comparison

Feature	FS-124F	C9200L-24PXG-4X-E	C9300-24UX-A
Network Interfaces	24x GE RJ45, 4x 10GE SFP+	24x 1G/2.5G RJ45, 4x 10GE SFP+	24x Multigigabit RJ45, 2x 40GE QSFP+, 4x 10GE SFP+
Switching Capacity	128 Gbps	168 Gbps	216 Gbps
PoE Support	No PoE	PoE+ (370W)	UPOE (720W)
Stacking Support	Up to 300 per FortiGate	Up to 8 units	Up to 8 units



Feature	FS-124F	C9200L-24PXG-4X-E	C9300-24UX-A
Layer 3 Routing	With FortiGate Integration	Yes	Yes
Management	FortiGate interface, CLI, GUI, API	Web UI, CLI, Plug and Play	Web UI, CLI, Flexible Integration
Mean Time Between Failures	>10 years	>250,000 hours	>460,000 hours
VLANs Supported	4K	4K	4K
Redundant Power	Not Supported	Supported	Supported

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"> <li>- Mounting brackets</li> <li>- Power cord</li> <li>- Quick Installation Guide</li> </ul>
Optional Accessories	<ul style="list-style-type: none"> <li>- SFP+ Transceivers</li> <li>- Rack screws kit</li> <li>- Cable management arm</li> </ul>



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### UK Branch

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## References

[1] Fortinet. (2023). FortiSwitch Secure Access Series Datasheet. Retrieved from [https://25396221.fs1.hubspotusercontent-eu1.net/hubfs/25396236/Security/Fortinet/Datasheet\\_FortiSwitch\\_Secure\\_Access\\_Series.pdf](https://25396221.fs1.hubspotusercontent-eu1.net/hubfs/25396236/Security/Fortinet/Datasheet_FortiSwitch_Secure_Access_Series.pdf)