



# Fortinet FS-124E-POE Datasheet

## Product Overview

- Fortinet’s FortiSwitch Secure Access series stands out with secure, high-performance switching for business networks.
- Ideal for SD-Branch, campus, and data center environments, it serves distributed enterprises, SMBs, and value-added resellers.
- Key hardware features include 24 GE RJ45 ports, 4 GE SFP uplinks, and a 56 Gbps switching capacity for smooth high-volume traffic.
- Integrated FortiLink technology allows management from FortiGate, streamlining administration and supporting automated deployments.
- Advanced functions such as PoE, stackability, and high availability help unify security and network access on a single platform.
- The FS-124E-POE brings scalable, efficient, and secure connectivity to modern networks, simplifying network growth and threat protection.

## Product Highlights

- Flexible Deployment Options:** Designed for a wide range of installations, from desktop access to wiring closets, supporting diverse organizational needs.
- Centralized Security Management:** Offers seamless centralized security and access control by integrating directly with FortiGate via FortiLink.
- Converged Network Delivery:** Delivers voice, data, and wireless services over a single, converged network, streamlining infrastructure.
- High Scalability and Speed:** Supports up to 48 ports in 1 RU, stackable up to 300 units per FortiGate, with wire-speed switching performance.

## Detailed Features



FS-124E-POE

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Component	Specification
Downlink Ports	24 × GE RJ45
Uplink Ports	4 × GE SFP
PoE Ports	12 × 802.3af/at
Switching Capacity	56 Gbps
Form Factor	1 RU Rack Mount



## Integrated FortiLink Management

The FS-124E-POE leverages FortiLink for seamless FortiGate integration, enabling direct management of up to 300 switches. Auto-discovery, stacking, and software upgrades are managed centrally for consistent policy enforcement, reducing manual effort and simplifying network administration at scale.

## Comprehensive VLAN and Stacking Capabilities

FortiSwitch supports automated and centralized VLAN configuration, link aggregation, and multi-switch stacking via FortiLink. These features streamline network expansion and service segmentation, allowing flexible deployments that align with evolving business needs.

## Advanced PoE Control and High Availability

12 IEEE 802.3af/at PoE ports are managed centrally, enabling efficient power allocation and cost reduction. Advanced features include dynamic port profiles and FortiGate high availability support for improved resilience and service continuity in demanding environments.

## Enhanced Security and Device Visibility

Security is strengthened with 802.1X authentication methods, DHCP snooping, MAC black/white listing, and Intra-VLAN traffic control. Device detection and host quarantine features provide granular user and device access regulation, supporting compliance and protecting critical resources.

## Automated Recommendations and Detection

Integrated with FortiGates automated detection, FS-124E-POE offers proactive device and network risk identification. Security rating recommendations help optimize protection, while dynamic policy control adapts to real-time network changes across all managed switches.

## Rich Layer 3 Services and Routing Support

When paired with FortiGate, FortiSwitch delivers enhanced Layer 3 routing, policy-based routing, and virtual domains. These capabilities enable building scalable, multi-tenant, and highly resilient network infrastructures tailored for complex enterprise requirements.

## Integrated NAC and IoT Security

The built-in network access control (NAC) integrates with FortiGate to identify and segment IoT devices while enforcing policy compliance. FortiGuard IoT identification ensures secure onboarding and threat prevention for a growing variety of endpoints.

## UTM Feature Integration and Threat Prevention

Leveraging FortiGate, the switch supports rich UTM services such as firewall, intrusion prevention, antivirus, application and botnet control. These advanced defenses protect the entire network at the access layer, extending enterprise-grade security to every connected device.

## Technical Specifications

### Product Specifications

Feature	Value
Downlink Ports	24x GE RJ45
Uplink Ports	4x GE SFP
Dedicated Management 10/100 Port	0
RJ-45 Serial Console Port	1
Form Factor	1 RU Rack Mount
PoE Ports	12 (802.3af/at)
PoE Power Budget	185 W
MTBF	> 10 years
Switching Capacity	56 Gbps
Packets Per Second	83 Mpps
MAC Address Storage	8K



Feature	Value
Network Latency	4 $\mu$ s
VLANs Supported	4K
Link Aggregation Group Size	8
Total Link Aggregation Groups	8
Packet Buffers	512 KB
DRAM	256 MB DDR3
Flash	32 MB
Dimensions (in)	1.7 x 12.2 x 17.3
Dimensions (mm)	44 x 309 x 440
Weight	11.1 lbs (5.03 kg)
Power Required	100–240V AC, 50–60 Hz
Power Supply	AC Built-in
Redundant Power	—
Power Consumption (Avg/Max)	202.78 W / 205.45 W
Heat Dissipation	60.67 BTU/h
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-40–158°F (-40–70°C)
Humidity	10–90% non-condensing

## Product Comparison

Feature	FS-124E-POE	C9300-48T-E	C9500-32C-E
Fixed Ports	24 × GE RJ45, 4 × GE SFP	48 × GE RJ45	32 × 100G QSFP28
PoE Ports	12 (802.3af/at), 185W	PoE+ support, up to 740W	Not supported
Switching Capacity	56 Gbps	176 Gbps	6.4 Tbps
Stacking Support	Up to 300 switches via FortiGate	Up to 8 units	Up to 8 units
Layer 3 Routing	Supported (with FortiGate)	Full Layer 3	Full Layer 3
Management	FortiGate/FortiLink, onboard GUI	Web UI, CLI, SNMP	Web UI, CLI, SNMP



Feature	FS-124E-POE	C9300-48T-E	C9500-32C-E
Power Supply	AC Built-in	Dual hot-swappable	Dual hot-swappable
Form Factor	1 RU Rack Mount	1 RU Rack Mount	1 RU Rack Mount

## Accessories

Category	Accessories
Included Accessories	<ul style="list-style-type: none"><li>- Power Cable</li><li>- Rack Mount Kit</li><li>- Quick Start Guide</li></ul>
Optional Accessories	<ul style="list-style-type: none"><li>- SFP Transceiver</li><li>- Spare Fan Module</li><li>- Redundant Power Supply</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/25396230/Security/Fortinet/Datasheet\\_FortiSwitch\\_Secure\\_Access\\_Series.pdf](https://25396221.fs1.hubspotusercontent-eu1.net/hubfs/25396230/Security/Fortinet/Datasheet_FortiSwitch_Secure_Access_Series.pdf)