Fortinet FS-148F-FPOE
Datasheet

Product Overview

- The Fortinet FS-148F-FPOE is a switch designed to meet the demanding requirements of modern networking environments. It features 48 Gigabit Ethernet (GE) Power over Ethernet (PoE) ports, allowing it to power a wide array of devices such as IP cameras, VoIP phones, and wireless access points.

- includes 4 SFP+ ports, providing high-speed uplinks for seamless data transfer and network expansion. With a total PoE power budget of up to 740W, this switch can support numerous high-power devices simultaneously, making it ideal for scenarios that demand extensive PoE capabilities.

- It is particularly well-suited for SD-Branch and campus deployments due to its advanced security features, exceptional performance, and ease of management. Designed with integration in mind, it seamlessly connects with FortiGate devices through FortiLink, enabling centralized management and configuration.

- This integration simplifies network operations by providing a unified security posture and allowing for zero-touch provisioning and streamlined orchestration. The FS-148F-FPOE operates at wire-speed, ensuring efficient and rapid data handling, which minimizes latency and maximizes throughput across the network.

Product Highlights

- **48 GE PoE Ports:** Provides robust and high-performance connectivity to power a wide range of devices such as IP cameras, VoIP phones, and wireless access points.

- **4 SFP+ Ports:** Enables high-speed uplinks to ensure seamless data transfer and network expansion.

- **FortiLink Integration:** Allows centralized management and configuration through FortiGate interfaces, simplifying network operations.

- **SD-Branch Deployment Support:** Versatile design accommodates various installation scenarios, including SD-Branch environments.

- **Compact 1 RU Form Factor**: Space-saving design that can be easily stacked, supporting up to 300 switches per FortiGate for simplified scalability.

Detailed Features

FS-148F-FPOE

Component	Specification
Form Factor	Rack-mountable
Ports Qty	48
Routing Protocol	IGMP, MSTP, Policy-based routing (PBR), RSTP, STP
Remote Management	CLI, DHCP, HTTP, HTTPS, IPv4, IPv6, RADIUS, RSTP, SNMP 1, SNMP 2c, SNMP 3, SSH, Telnet, TFTP
Interfaces	1 x serial (console) RJ-45, 4 x 10GBase-X SFP+, 48 x 1000Base-T RJ-45 PoE+

Versatile Design

Suitable for a wide range of installations, from desktop setups to wiring closets, making it an adaptable solution for various environments.

Centralized Management with FortiLink

Seamlessly integrates with FortiGate devices through FortiLink, enabling centralized management and a unified security posture. This integration allows for zero-touch provisioning and simplified orchestration.

Network Convergence

Supports the convergence of voice, data, and wireless traffic on a single network, ensuring efficient and unified communication.

Standalone Operation

Offers the flexibility to operate without FortiLink, using onboard GUI, API, or CLI for configuration, making it versatile for different deployment scenarios.

Scalability

The switch is stackable, supporting up to 300 switches per FortiGate, depending on the model. This makes it ideal for scalable network expansions.

User-friendly Interface

Features an intuitive web-based interface for easy configuration and management, along with extensive monitoring and diagnostic tools to ensure optimal network performance.

Advanced Forwarding Modes

Includes wire-speed switching and Store and Forward forwarding mode, ensuring efficient data processing and transfer across the network.

High-Power PoE Ports

Equipped with 48 Gigabit Ethernet PoE ports, the switch provides up to 740W of power to connected devices, eliminating the need for separate power sources and simplifying infrastructure.

Enhanced Uplink Capabilities

With 4 SFP+ ports, the FS-148F-FPOE supports high-speed 10GE uplinks, ensuring fast and reliable network connectivity for data-intensive applications.

Robust Security Features

Incorporates comprehensive security measures, including strong authentication and encryption protocols, to protect network integrity and data privacy.

Broad Operating Temperature Range

The switch supports a wide operating temperature range, making it suitable for various environmental conditions.

Technical Specifications

General Specifications

Feature	Value
Total Network Interfaces	48x 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	48 (802.3af/at)
PoE Power Budget	740 W

Product Comparison

Feature	FS-148F-FPOE	FS-148F	FS-148E
Ports Qty	48	48	48
PoE Support	PoE+ (740W)	PoE (370W)	No PoE
Uplink Ports	4 x 10G SFP+	4 x 1G SFP	4 x 1G SFP
Stackable	Yes	Yes	No
Management	FortiLink, GUI	GUI	CLI
Form Factor	Rack-mountable	Rack-mountable	Desktop

Accessories

Category	Accessories
Included Accessories	- Power Cable
	- Mounting Kit
	- Quick Installation Guide
Optional Accessories	- SFP Transceivers: Various specifications
	- Rack Mount Kit
	- Console Cable

Support & Warranty

24/7 Online
Service

3-Year Premium
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Professional
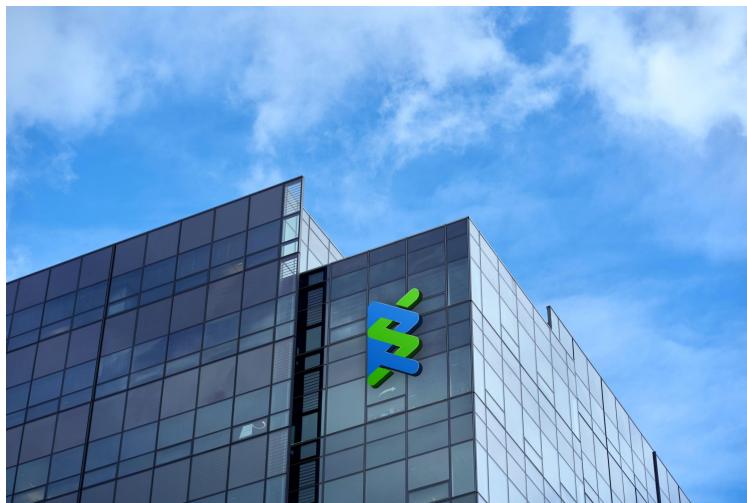Technical Support

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