

# Huawei

# S5735-L48P4XE-A-V2

## Datasheet



## Product Overview

- The Huawei S5735-L48P4XE-A-V2 belongs to the Huawei S5735 series of Layer 3 managed switches. This series is designed to provide high-performance, secure, and scalable solutions for enterprise networks.
- Featuring 48 × 1GE RJ45 ports and 4 × 10GE SFP+ uplink ports, this switch delivers high-speed connectivity for businesses requiring efficient data transmission.
- The S5735-L48P4XE-A-V2 ensures high reliability and minimizes network downtime.
- Its robust design includes 4 fan boxes and a front-side airflow configuration, making it an excellent choice for network environments requiring optimal cooling and airflow.
- The switch is also engineered to support various security features, such as access control and data encryption, to help protect your enterprise's network from security threats.
- Enterprises can efficiently configure and monitor the network, ensuring optimal performance and uptime.

## Product Highlights

- **High Connectivity:** 48 × 1GE RJ45 ports and 4 × 10GE SFP+ uplink ports for seamless high-speed data transfer.
- **Enhanced Performance:** Dual AC power supplies for enhanced reliability and system uptime.
- **Efficient Cooling:** Front-side airflow configuration with 4 fan boxes to ensure optimal temperature management.
- **Scalability:** 32 OSFP ports for future-proof expansion, ideal for modern data centers and high-demand applications.
- **Security Features:** Equipped with advanced security tools for access control and data protection, ensuring a secure network environment.

## Detailed Features



S5735-L48P4XE-A-V2

Component	Specification
GE RJ45 Ports	48 x 1GE RJ45
10GE SFP+ Ports	4 x 10GE SFP+
OSFP Ports	32 x OSFP ports
Power Supply	Dual AC
Cooling System	4 x Fan units



## High Connectivity and Versatility

This switch offers a robust combination of 48 1GE RJ45 ports and 4 10GE SFP+ uplink ports, providing versatile connectivity options for diverse network environments. With a total of 64 ports, the S5735-L48P4XE-A-V2 ensures ample bandwidth and seamless data transfer, making it ideal for enterprises requiring large-scale deployments. The switch also incorporates 32 OSFP ports, allowing for easy network expansion and ensuring compatibility with high-speed data transmission standards. This flexibility positions the S5735-L48P4XE-A-V2 as a highly scalable solution for enterprise networks.

## Unmatched Performance

The S5735-L48P4XE-A-V2 is equipped with the latest hardware and software innovations to ensure superior performance in demanding environments. Its 400Gb/s port throughput, combined with an aggregate data throughput of 51.2Tb/s, allows it to handle massive data loads efficiently, making it suitable for applications in data centers, high-performance computing (HPC), and artificial intelligence (AI) environments. This level of performance ensures that the switch can manage large amounts of data traffic without compromising on speed, minimizing latency, and maximizing throughput for mission-critical workloads.

## Reliability and Redundancy

Reliability is a key factor in enterprise network environments, and the S5735-L48P4XE-A-V2 excels in this area with its dual AC power supplies. These redundant power supplies ensure that the switch remains operational even in the event of a power failure, minimizing the risk of downtime.

## Advanced Management and Monitoring

The S5735-L48P4XE-A-V2 is equipped with sophisticated management tools, enabling centralized control and monitoring of network performance. The switch supports a range of management options, including command-line interface (CLI), SNMP, and a web-based graphical user interface (GUI), providing flexibility for network administrators. The ability to remotely manage and troubleshoot the device reduces operational complexity and enhances network uptime, making it easier to scale and maintain large networks. With enhanced diagnostic and monitoring capabilities, administrators can quickly identify and address any potential issues before they impact the network's performance.

## Energy Efficiency

Energy efficiency is an important consideration for businesses looking to reduce operational costs and minimize their environmental impact. The Huawei S5735-L48P4XE-A-V2 switch is designed with energy-saving features that help organizations optimize their power consumption. The dual AC power supplies are 80 Plus certified, ensuring high energy efficiency and reducing power consumption.

## Management and Monitoring

Managing and monitoring the Huawei S5735-L48P4XE-A-V2 switch is made easy with a variety of user-friendly management interfaces. The switch supports CLI for advanced users who prefer to configure the device through command lines. In addition, a WebGUI (Graphical User Interface) is available for users who prefer a more intuitive, visual interface for managing their network.

# Technical Specifications

## Hardware Specifications

Feature	Value
Dimensions without packaging (H x W x D)	Basic dimensions (excluding parts protruding from the body): 43.6 mm x 442.0 mm x 420.0 mm (1.72 in. x 17.40 in. x 16.54 in.)
	Maximum dimensions (depth from ports to rear panel): 43.6 mm x 442.0 mm x 446.0 mm (1.72 in. x 17.40 in. x 17.56 in.)
Dimensions with packaging (H x W x D)	185.0 mm x 650.0 mm x 550.0 mm (7.28 in. x 25.59 in. x 21.65 in.)
Chassis height	1 U
Chassis material	Metal
Weight without packaging	6.10 kg (13.45 lb)



Feature	Value
Weight with packaging	8.90 kg (19.62 lb)
Typical power consumption	54.78 W
Typical heat dissipation	186.91 BTU/hour
Maximum power consumption	Without PoE: 76.66 W
	Full PoE load: 993.74 W (PoE: 846 W)
Maximum heat dissipation	Without PoE: 261.57 BTU/hour
	Full PoE load: 3390.74 BTU/hour
Static power consumption	36.75 W
MTBF (Mean Time Between Failures)	46.89 years
MTTR (Mean Time to Repair)	2 hours
Availability	> 0.99999
Noise at normal temperature (acoustic power)	67 dB(A)
Noise at normal temperature (acoustic pressure)	55 dB(A)
Number of card slots	0
Number of power slots	1
Number of fan modules	2
Redundant power supply	Not supported
Long-term operating temperature	-5°C to +50°C (23°F to 122°F) at an altitude of 0-1800 m (0-5905.44 ft.)
Operating temperature variation rate	When altitude is 1800–5000 m (5906–16404 ft.), the highest operating temperature reduces by 1°C (1.8°F) per 220 m (722 ft.) increase in altitude. Devices cannot start when the temperature is lower than 0°C (32°F).
Storage temperature	–40°C to +70°C (–40°F to +158°F)
Power supply surge protection	Differential mode: ±6 kV; Common mode: ±6 kV
Ingress protection level	IP20
Types of fans	Built-in
Heat dissipation mode	Air cooling, intelligent fan speed adjustment
Airflow direction	Air intake from left, front, and right; air exhaust from rear
PoE (Power over Ethernet)	Supported



## Product Comparison

Feature	S5735-L48P4XE-A-V2	S5735-L24P4XE-A-V2	S5735-L48P4XE
Ports	48 x 1GE RJ45, 4 x 10GE SFP+	24 x 1GE RJ45, 4 x 10GE SFP+	48 x 1GE RJ45, 4 x 10GE SFP+
OSFP Ports	32 x OSFP ports	16 x OSFP ports	48 x OSFP ports
Power Supply	Dual AC Power Supply	Dual AC Power Supply	Single AC Power Supply
Cooling System	Air intake from left, front, right; air exhaust from rear	Air intake from left, front, right; air exhaust from rear	Front-to-rear airflow
MTBF (Mean Time Between Failures)	46.89 years	50 years	45 years
PoE Support	Yes	Yes	Yes
Max Power Consumption	993.74 W (Full PoE load)	493.74 W (Full PoE load)	850 W (Full PoE load)

## Accessories

Category	Accessories
Included Accessories	- Power Cable
	- Mounting Bracket
	- Quick Installation Guide
	- Console Cable
	- Rack Ears (for rack installation)
Optional Accessories	- Rack Mount Kit: 02310NED
	- SFP Transceivers: GIGE-SX, GIGE-LX, 10GE-LR, 10GE-SR
	- Power Supply: 02310NEH
	- Cooling Fans: F1F-1234
	- Spare Fan Modules: FAN-2034
	- Stacking Cables: STK-CBL-2M
	- Cable Management Kit: CMK-004



## Support & Warranty



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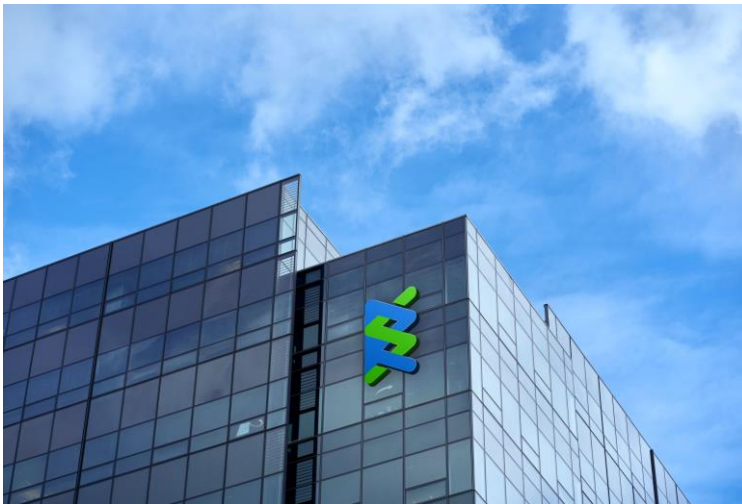


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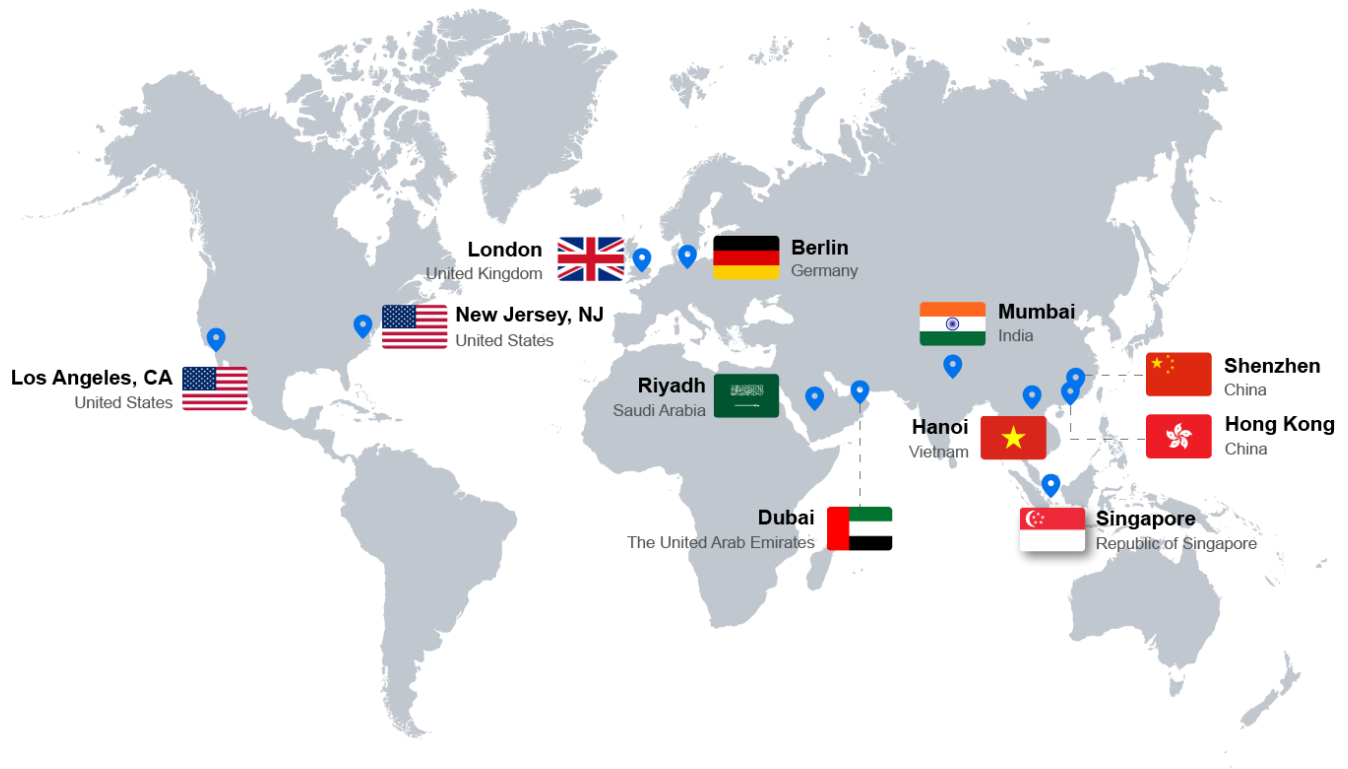
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## Global Footprint

Global Warehouses & Service Centers Across Continents.



## Global Branches

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## References

[1] Huawei. (n.d.). S5735-L48P4XE-A-V2 Switch. Retrieved from <https://support.huawei.com/enterprise/en/doc/EDOC1100277349/a75e5938/s5735-l48p4xe-a-v2>