

## DATASHEET

High Performance Data Center Switch

Version:V 1.2

Release Date:2025/12/20

### Product Overview

The S9500 Series switches designed on a domestic new generation switch Chip, which called [Serdex Series Chip platform](#).

With 32 x 800G high speed ports and rich features, these switches will perfectly meet the requirements of supercomputing, Data Center, and AI/ML Networks.



### Key features of the S9500 Series switches

- High-density 800G switch, 32\*800G OSFP
- Redundant hot-swappable power and fans ensure continuous stability
- MPLS (label-switching-based) integrates IP flexibility and connection-oriented reliability, enabling isolated multi-service bearing, precise traffic scheduling, fast fault self-healing, and lower networking costs to meet multi-scenario efficient needs
- Support VXLAN/EVPN tunnel technology, unlimited data transmission
- RDMA end-to-end data forwarding, build a lossless network without packet loss
- Support MLAG, cross-device link aggregation technology

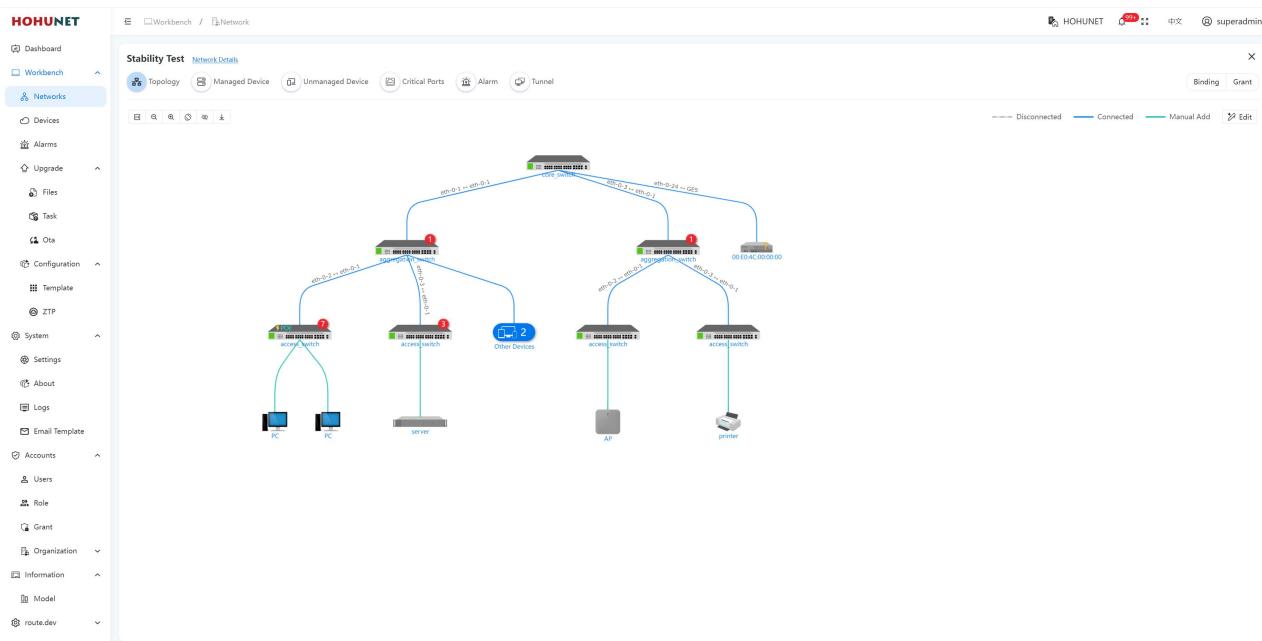
The S9500 Series switches provide redundant hot-swappable power supplies (AC and DC are both available) and 4 bays with Field replaceable fan modules. Generally, airflow of S9500 Series is front to rear (AFO), but a customization of rear to front (AFI) airflow is also acceptable.

**Table 1: Feasible PSU and airflow of S9532**

| Items    | AC | DC | AFO | AFI | Power Input | FAN |
|----------|----|----|-----|-----|-------------|-----|
| S9532-EI | ○  | ○  | ○   | ○   | 2           | 4   |

The S9500 Series switches support varied management ways, include console port / in-band network ports / out-of-band network port. Support SNMP v1/v2/v3, Support CLI (Command Line Interface), web management, Telnet and FTP connection. Support OAM to make management more convenient, and support SSH2.0, etc. to ensure security of management.

Moreover, leveraging its profound technical expertise and in-depth understanding of campus and enterprise networking needs, Hohunet has launched the Da Hu Cloud Management System (DHCS). It enhances network management and maintenance efficiency, reduces costs, elevates management intelligence, and delivers a faster, smarter, more secure and reliable network to better meet user requirements.



## Visual WEB GUI

HOS allows you to quickly configure common configuration items using a visual WEB GUI, which lowers the application threshold for users.

The screenshot shows the HOHUNET web interface for a S9500 Series switch. The left sidebar includes links for Configuration, Maintenance, and Network. The main content area is divided into several sections:

- Device Information:** Shows product ID (1.1), location (IP 192.168.1.100), image name (ulimage.h1023a.e680.d), hardware version (0.2), uptime (0 days, 6 hours, 42 minutes), device name (5648X), serial number, contact, and bootrom version (v1.0.2).
- Interface Panel:** A 48-port switch interface map showing port status (Active, Inactive, Shutdown) and port numbers (1-48).
- Usage:** CPU Usage (7.53%) and Memory Usage (36.94%) are displayed as progress bars.
- Temperature:** Temperature monitoring for AROUND\_CHIP (35°C) and SWITCH\_CHIP (45°C).
- Fan:** Fan status monitoring for four fans (1-1, 1-2, 1-3, 1-4), all marked as OK.

At the bottom, there are refresh and save buttons, and a copyright notice: Copyright ©. All Rights Reserved.

## The S9500 ports at a glance

Table 2: Family of the S9500 Series switches

| Models   | Ethernet Ports | Management                                  | PSU 1/PSU 2 | Cooling                                 |
|----------|----------------|---|-------------|---|
| S9532-EI | 32 x 800G OSFP | Console: RJ45 to RS232<br>Ethernet: 1G Port | 2 x CRPS    | 4 x Fan Modules (front-to-back airflow) |

## S9500 Series Physical Specifications

### Packet Switch capacity (Tbps)

- S9532-El: 51.2 Tbps (bidirectional)

### Layer 2/Layer 3 Throughput (Gbps)

- S9532-El: 76.19 Gbps (bidirectional)

### CPU

- Quad-core processor, ARM A53

### MTBF

- S9532-El:  $\geq 90000H$

### Memory

- eMMC: 8GB on all models
- DRAM: 4GB on all models

### Dimensions (W x H x D) without package

- S9532-El: 44.2 x 8.8 x 56cm

### Weight (Net weight/Gross weight)

- S9532-El: 11.8kg/16kg

### Environmental ranges

- Operating temperature: 0°C to 45°C
- Storage temperature: -40°C to 70°C
- Running Humidity: 10% to 90% (No condensation)
- Store Humidity: 5 to 95% (No condensation)

### Temperature alarm

- Alarm threshold: 50°C

## S9500 Software Specifications

HOHUNET implements a unified software platform, and the software capabilities supported by the devices are listed in the document ['HOS Software features'](#) .

Integrated Management Interface (CLI, SNMP, WEB, RMON ,RPC-API , Netconf,etc)

### HOS Network Platform

Layer 2 switching

IPv4/IPv6 Unicast Routing

QoS

IP Multicast Snooping/Proxy

IPv4/IPv6 Multi cast Routing

VRRP

Multiprotocol Label Switching(MPLS)

Virtual Private LAN Service(VPLS)

Virtual Routing and Switching

Generalized Multiprotocol LabelSwitching(GMPLS)

IPv6 Tunneling and TransitionTechnologies

IP/MPLS OAM

Service management module

Fault Managemet (FM)

High Availability (HA)

### Hardware and platform abstraction layer

Advanced integration Suite

Operating Systems TCP/IP Stacks

CENTEC swtich chip SDK

Linux , IPv4/Pv6 Dual Stack

Silicon in Pizza, Stacking or Chassis Configuration

### Hardware layer

CENTEC Switch Chipset

CPU Subsystem

Cooling SubSystem

AC/DC DC/DC CLK

Environmental Management Subsystem

Logical Control Subunit

\* All HOHUNET switches use a normalized software platform and image package file

\* Unified software version iteration plan

\* Unified user experience

## Ordering Information

### S9500 Series

| Items    | Description  |
|----------|--|
| S9532-EI | 800G Data Center Switch, with 32*800G OSFP, Dual power supply modules(C13), 4 hot-swappable fan modules. |

### AC Power Supplies use for S9500

| Items           | Description  |
|-----------------|--|
| PSU-3200-AC-AFO | S9500 Series 3200W AC power supply (front-to-back airflow) |

### Software Licenses

| Items            | Description  |
|------------------|--|
| Software License | MS, L3 enhance features software license key, Preinstalled |
| Software License | MA, MPLS features software license key                     |
| Software License | ST, Stacking feature software license key                  |

### Accessory of S9532-EI

| Items     | Front Mounting | Rear Mounting | Screw | Power Cord | Console (RS232 to RJ45) | Grounding Cable |
|-----------|----------------|---------------|-------|------------|-------------------------|-----------------|
| SS9532-EI | 2              | 4             | 14    | 2          | 1                       | 1               |

## About HOHUNET:

HOHUNET was established in 2015 as a technology-oriented company specializing in the independent development of switch products based on domestic chips. With the continuous evolution of chip technology, HOHUNET has launched a range of differentiated products based on this chip platform. Currently, the company's product line covers a range from 1G to 800G and can be used in scenarios such as enterprise networks, carrier networks, data centers, and AI computing power. Currently, the main cooperation model for the company is OEM/ODM, dedicated to providing customers with flexible and end-to-end customized products and technical consulting services. Becoming the most trusted business partner for customers has always been the company's mission and principle.

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