

S2 Series Gigabit Manageable Switches

Datasheet

Version: V1.3

Release Date: 2026/3

Product Overview

The S2100 Series switches are built on a cost-effective, Layer 2 manageable access platform featuring up to 28 Gigabit ports. With optional 30W PoE support and easy management, they are ideal for meeting the connectivity needs of enterprise and SMB networks.



Highlight features

- POE features comply with 802.11 AF/AT standard, 30W
- Up to 56Gbps Switching Capacity
- WEB UI and Cloud management
- Support Link Aggregation, VLAN, ACL, IGMP snooping and QOS

The S2 Series switches provide flexible port configuration for scenario.

Model	1G Base-T	1G SFP	PoE	Power	Size	Forwarding rate
S2108G-2S	8	2	X	12W	290*180*44mm	14.88Mpps
S2108GP-2S	8	2	○	150W	290*180*44mm	14.88Mpps
S2124G-4S	24	4	X	18w	440 * 180 * 44mm	41.66Mpps
S2124GP-4S	24	4	○	250W 400W	440 * 180 * 44mm	41.66Mpps

The Number of Mac address: 8K.
Buffer: 4M

Working Temperature: -10°C~45°C.
Humidity: 5%-95% None Condensation
Input Power: AC: 90V-260V

The S2 Series switches support essential Layer 2 functions which is able to configure and managed by WEB UI.

Features	Description
Web interface	Web login
	Home page displays device overview
Port management	Port supports configuration of rate, duplex, mode, and megaframe
	Count the number of packets received and sent by each port
	Support link aggregation (up to 5 groups, with a maximum of 8 member ports per group)
	Support storm control (percentage mode and packet rate mode)
	Support flow control
	Supports port isolation
	Supports loopback protection
Service Management	Supports 4K VLAN
	Supports 8K MAC address table entries
	Support MAC blacklist
	Supports static MAC addresses
	Supports port-based MAC learning restrictions
	Supports multicast MAC addresses (512, WEB can be configured with up to 50)
	Supports port mirroring (1 session)
ACL	IP standard ACL
	MAC standard ACL
	Based on the second layer interface (physical interface/AP) associated entry ACL
	Supports a total of 128 ACLs
IGMP Snooping	Support (up to 50 studies)
QOS	Port based speed limit (28 speed limits in the direction of entry, with a granularity of 8kbps)
	SP/WDRR priority scheduling
	Priority Mapping Based on COS/DSCP
	Based on Port/Queue traffic shaping

Management

The S21 Series comprises entry-level Layer 2 switches designed for simplified enterprise and campus network scenarios. Supporting both Web UI and cloud management, the series enables administrators to perform remote configuration, status monitoring, and seamless maintenance or upgrades with ease

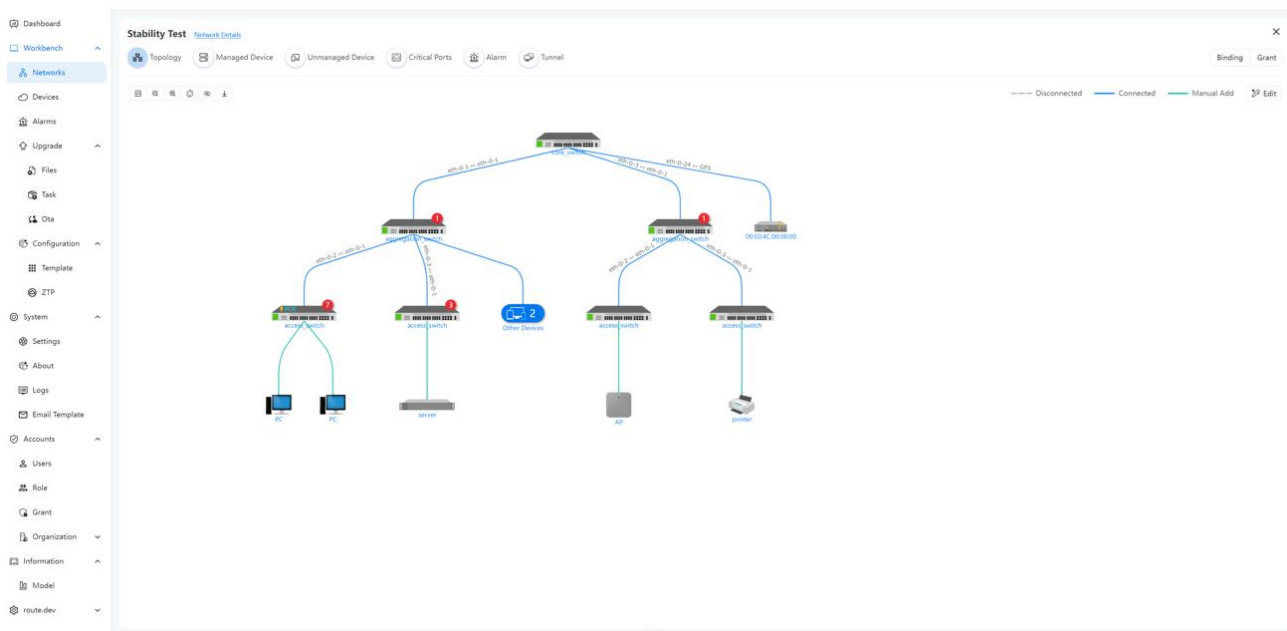
Cloud management

Leveraging deep expertise in campus and enterprise networking, ETHERNEXION introduces the UniCloud Management System. By integrating intelligent automation, UniCloud streamlines network maintenance, reduces operational costs, and ensures a secure, high-performance environment tailored to evolving user demands.

The platform designed to provide digital solutions for the entire lifecycle of network elements, including switches, routers, and wireless APs:

- Unified Device Management:** Provides a centralized platform for managing configuration policies, firmware upgrades, and statistical analysis of device operating data.
- Remote O&M Capabilities:** Utilizing a lightweight reverse proxy (FRP) and an integrated WebTerminal (SSH/Telnet), the system enables secure, cross-network access to intranet devices with latency under 200ms.
- Automated Deployment & Topology:** Supports Zero-Touch Deployment for large-scale automation. It also uses LLDP to automatically discover and draw intuitive, real-time network topology maps.
- Advanced Monitoring:** Includes a distributed MQTT engine for real-time status reporting (latency <50ms) and a multimodal database architecture (MySQL, InfluxDB, Redis, Elasticsearch) for efficient data analysis and logging.
- Security & Access Control:** Features a multi-level RBAC permission system, high-risk command interception, and WAF protection to block network attacks.

The following is a diagram illustrating cloud-managed ETHERNEXION switches. For more detailed information, please refer to “ETHERNEXION Cloud Controller specification”.



Visual WEB GUI

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

Menu
LogOut Lang

Device Info

- ▶ Interface Management
- ▶ Service
- ▶ STP RSTP
- ERPS
- ▶ ACL
- IGMP Snooping
- ▶ QOS
- ▶ LLDP
- ▶ Device Management
- ▼ System Management
 - System Log
 - System Config
 - System Management
 - System Upgrade
- Cloud

Device Info

Device Panel

Device Description	S2124GP
Run Time	0 days 3 hours 58 mins 53 seconds
MAC	d8:5b:21:22:23:24
SN	260226
IP	172.16.151.66
Mask	255.255.0.0
Gateway	172.16.0.1
SW Version	Calif-120-v1.1.16
HW Version	E120
type	E120-S24P4

Update

4

About ETHERNEXION:

ETHERNEXION is an innovation-driven technology enterprise specializing in high-performance networking and communication solutions. Dedicated to creating tangible value for global clients, the company delivers a comprehensive portfolio of enterprise-grade, carrier-class hardware and intelligent, cloud-managed software. Ethernexion empowers enterprises, data centers, and small-to-medium service providers by providing high-performance, ultra-reliable, and highly cost-effective solutions that optimize operational efficiency and maximize return on investment. Driven by technical excellence, Ethernexion is committed to being a trusted partner in building scalable, secure, and future-ready network infrastructures.

Contact us:

ETHERNEXION NETWORKS PTE. LTD,

Singapore headquarter:

7500A BEACH ROAD #04-307 THE PLAZA SINGAPORE 199591

Corporate and Sales Email: business@ethernexion.com

Website: www.ethernexion.com