

HSGQ L2 Managed SFP Switch

Variants

HSGQ-3510S (10G*2+1G*8)

Details

The **10-Port Industrial L2 Managed Fiber Switch** is a high-performance managed Ethernet switch designed for **industrial automation, ISP backbone networks, enterprise fiber infrastructure, FTTH aggregation, surveillance systems, power utilities, transportation, and data communication**. Featuring **8 Gigabit SFP ports** and **2 high-speed 10G SFP+ uplink ports**, it delivers reliable Layer 2 switching with advanced redundancy and industrial-grade protection.

Built with a **fanless metal housing**, redundant **AC + DC dual power supply**, industrial surge protection, and support for major IEEE networking standards, this switch provides stable operation in harsh environments while ensuring high-speed fiber communication.

Gigabit Ports

8 × SFP

10G Uplink

2 × SFP+

Switch Capacity

56Gbps

Cooling

Fanless

Key Features

? 8 × Gigabit SFP Fiber Ports

? 2 × 10G SFP+ High-Speed Uplink Ports

? Layer 2 Managed Switching

? Dual Redundant Power Supply (AC + DC)

? Fanless Industrial Design

? Supports VLAN, STP, RSTP, MSTP, LACP & QoS

? Rack Mountable Industrial Metal Housing

? Suitable for Harsh Industrial Environments

Technical Specifications

Parameter	Specification
Product Type	Industrial Layer 2 Managed Fiber Switch
Network Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ae, IEEE 802.3x, IEEE 802.1x, IEEE 802.1q, IEEE 802.1p, IEEE 802.1d, IEEE 802.1w, IEEE 802.1s, IEEE 802.3ad, IEEE 802.1ab
Fiber Ports	8 × Gigabit SFP Slots
10G Uplink	2 × 10G SFP+ Slots
Console Port	1 × USB Type-C Console (115200, 8, N, 1)
LED Indicators	PWR1, PWR2, SYS, Port Status
Supported Network Media	100BASE-TX (Cat5/5e), 1000BASE-T (Cat5e/6), 1000BASE-X MMF/SMF, 10GBASE-SR, 10GBASE-LR
MAC Address Table	16K
Packet Buffer	8.4 Mbit
Jumbo Frame	12 KB
Forwarding Mode	Store-and-Forward
Switching Capacity	56 Gbps
Packet Forwarding Rate	42 Mpps
Cooling	Fanless Design

Parameter	Specification
Power Input	Dual Redundant Power Supply (AC100–240V 50/60Hz + DC12V Phoenix Terminal)
Power Consumption	20W
Dimensions	285 × 192 × 44 mm
Installation	19-inch Rack Mountable
ESD Protection	Contact ±6KV, Air ±8KV
Surge Protection	Common Mode ±6KV
Operating Temperature	-10°C to +55°C
Storage Temperature	-40°C to +85°C
Operating Humidity	10%–90% RH (Non-condensing)
Storage Humidity	5%–90% RH (Non-condensing)
MTBF	50,000 Hours

Applications

Industrial Ethernet Networks

ISP Fiber Backbone

Enterprise Core Networks

FTTH Aggregation Networks

Power Utility Communication

Railway & Transportation Systems

Industrial Automation

Surveillance & Security Networks

Note: Compatible with standard Gigabit SFP and 10G SFP+ optical transceiver modules. For maximum performance and long-distance fiber communication, select the appropriate single-mode or multi-mode optical module based on your transmission distance and application requirements.