

Switch SFP 10G HSGQ-5912

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Variants

Single AC Power

Details

12 Port 10G L3 Managed Industrial Switch

The **HSGQ-5912** is a high-performance **Layer 3 Managed Industrial Switch** designed for enterprise networks, data centers, hotels, office networks, ISP infrastructure, and campus deployments. It supports advanced Layer 2 and Layer 3 features with powerful management, security, VLAN, QoS, multicast, and routing functions.

Featuring **12 × 10G SFP+ ports**, cloud management support, high switching capacity, and industrial-grade reliability, the switch provides stable and secure high-speed network connectivity for modern optical networking environments.

Key Features

- 12 × 10G SFP+ high-speed optical ports
- Advanced Layer 3 managed switching
- Support for VLAN, QinQ, and multicast
- Cloud management and remote monitoring
- IPv4 & IPv6 support
- Static routing, RIP, and OSPF support
- Industrial-grade reliability and protection

Supports STP, RSTP, MSTP protocols

QoS traffic prioritization and flow control

High switching capacity with non-blocking architecture

Hardware Specifications

Category	Specification
Model	HSGQ-5912
Port Configuration	12 x 10G SFP+
Console Port	1 x RS-232 (115200, 8, N, 1)
Switching Capacity	240 Gbps (Non-blocking)
Packet Forwarding Rate	179 Mpps
Packet Buffer	16 Mbit
MAC Address Table	32K
Jumbo Frame	12 KB
Input Voltage	AC 100V – 240V, 50Hz / 60Hz
Power Consumption	40W
ESD Protection	8kV Contact Discharge, 15kV Air Discharge
MTBF	100000 Hours
Operating Temperature	-30°C to +65°C

Category	Specification
Storage Temperature	-40°C to +85°C
Humidity	5% – 95% (Non-condensing)
Dimensions	445 x 220 x 44 mm (W x D x H)
Weight	1.7 Kg
Material	Metal Housing
Installation	Desktop / Rack-mounted / DIN-Rail / Wall Mounted

Software Features

Feature Category	Supported Functions
Basic Functions	Hardware watchdog, factory reset, system LED, port statistics, duplex control, MTU configuration, port speed limiting, WEB/Te
Cloud Management	Remote management, online upgrade, alarm monitoring, remo
Layer 3 Features	ARP Table, ND Discovery, IPv4/IPv6 configuration, Static Rout
DHCP Features	DHCP Server, DHCP Relay, DHCP Snooping, DHCPv6 suppo
VLAN Features	Access, Trunk, Hybrid VLAN, VLAN Translation, QinQ, 4K VLA
Security Features	HTTPS, SSH V1/V2, 802.1X authentication, port isolation, loop
QoS Features	8-port queues, DSCP priority, SP & WRR scheduling algorithm
STP Protocols	STP, RSTP, MSTP, BPDU protection.

Feature Category	Supported Functions
Multicast Features	IGMP v1/v2/v3 Snooping, Layer 2 & Layer 3 multicast.
Link Aggregation	Static aggregation, LACP dynamic aggregation, up to 8 aggreg
Management & Maintenance	SNMP V1/V2/V3, WEB Management, CLI, Syslog, CPU & Mem

Applications

Enterprise Networks
Data Centers
Hotels & Resorts
Campus Networks
ISP Infrastructure
Industrial Networking
Fiber Backbone Aggregation
High-Speed Optical Networking

Note: Proper airflow, rack installation, and industrial grounding are recommended for stable 10G network performance and long-term reliability.