Switch SFP 10G HSGQ-5912

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Variants

Single AC Power

Details

The **HSGQ-5912** is a high-performance **Layer 3 Managed Industrial Switch** designed for enterprise networks, ISPs, data centers, hotels, campuses, and high-speed optical backbone deployments. Equipped with **12 × 10G SFP+ ports**, advanced Layer 2/Layer 3 routing features, cloud management, and industrial-grade reliability, it delivers secure and stable networking for demanding applications.

Supporting advanced VLAN, QoS, multicast, IPv4/IPv6 routing, DHCP services, SNMP, STP protocols, and comprehensive security features, the HSGQ-5912 is an ideal aggregation switch for modern optical networking infrastructure.

Optical Ports

12 × 10G SFP+

Switching Capacity

240Gbps

Forwarding Rate

179Mpps

Layer

Layer 3

Key Features

? 12 × 10G SFP+ High-Speed Optical Ports

? Advanced Layer 3 Managed Switching

? Cloud Management & Remote Monitoring

? Static Routing, RIP & OSPF

? VLAN, QinQ & Multicast Support

? IPv4 / IPv6 Ready

? Industrial Metal Housing with ESD Protection

? SNMP, CLI & WEB Management

Hardware Specifications

Category	Specification
Model	HSGQ-5912
Port Configuration	12 × 10G SFP+
Console Port	1 × 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
Power Supply	AC 100V–240V, 50/60Hz
Power Consumption	40W
ESD Protection	8kV Contact / 15kV Air
MTBF	100,000 Hours
Operating Temperature	-30°C to +65°C
Storage Temperature	-40°C to +85°C
Humidity	5%–95% (Non-condensing)
Dimensions	445 × 220 × 44 mm
Weight	1.7 kg

Category	Specification
Installation	Desktop / Rack Mount / DIN Rail / Wall Mount

Software Features

Feature Category	Supported Functions
Basic Functions	Hardware Watchdog, Factory Reset, LED Status, Port Statistics, User & Alarm Management, Port Mirroring, Duplex Control, MTU Configuration, Port Speed Limiting, WEB & Telnet.
Cloud Management	Remote Management, Online Upgrade, Alarm Monitoring, Remote Restart.
Layer 3 Features	ARP, ND Discovery, IPv4/IPv6, Static Routing, RIP, OSPF.
DHCP	DHCP Server, Relay, Snooping, DHCPv6, Option 82.
VLAN	Access, Trunk, Hybrid, VLAN Translation, QinQ, 4094 VLANs.
Security	HTTPS, SSH, 802.1X, AAA, TACACS+, RADIUS, Loop Detection, Port Isolation.
QoS	8 Queues, DSCP Priority, SP & WRR Scheduling, QoS Re-marking.
STP	STP, RSTP, MSTP, BPDU Protection.
Multicast	IGMP v1/v2/v3 Snooping, Layer 2 & Layer 3 Multicast.
Link Aggregation	Static & LACP Dynamic Aggregation (Up to 8 Groups).

Feature Category	Supported Functions
Management	SNMP v1/v2/v3, WEB, CLI, Syslog, CPU & Memory Monitoring, Ping, Traceroute.

Applications

Enterprise Networks

Data Centers

Hotels & Resorts

Campus Networks

ISP Infrastructure

Industrial Networking

Fiber Backbone Aggregation

High-Speed Optical Networking

Note:
Proper rack installation, sufficient airflow, industrial grounding, and the use of high-quality 10G SFP+ optical transceivers are recommended to ensure stable long-term network performance.

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