L3 Managed Industrial Switch HSGQ 5528 Series

The L3 Managed Industrial Switch

L3 Managed Industrial Switch HSGQ 5528 Series

Variants

HSGQ-5528 -24Port

Details

HSGQ-5528 Layer-3 Managed Ethernet Switch

The **HSGQ-5528 Layer-3 Managed Ethernet Switch** is a high-performance enterprise switch designed for data centers, ISPs, campus networks, hotels, and enterprise deployments. Featuring **24 Gigabit RJ45 ports** and **4 × 10G SFP+ uplink ports**, it delivers reliable high-speed connectivity, advanced Layer-3 routing, and enterprise-class network security.

With a **128 Gbps switching capacity**, **95.2 Mpps forwarding rate**, support for **Static Routing, RIP, OSPF**, VLAN, ACL, SNMP, SSH, and intelligent fan cooling, the HSGQ-5528 provides a scalable and secure networking solution for modern business infrastructures.

Quick Specifications

Downlink Ports

24 × Gigabit RJ45

Uplink Ports

4 × 10G SFP+

Switching Capacity

128 Gbps

Forwarding Rate

95.2 Mpps

Key Features

- 24 × 10/100/1000 Mbps Gigabit RJ45 ports
- 4 × 10G SFP+ high-speed uplink ports
- Layer-3 routing with Static Routing, RIP & OSPF
- 128 Gbps switching capacity
- 95.2 Mpps packet forwarding performance
- 32K MAC address table
- IEEE 802.1Q VLAN & QinQ support
- LACP Link Aggregation
- STP / RSTP / MSTP
- ACL, Port Security & ARP Protection
- Web GUI, CLI, SNMP, SSH & Telnet management

Intelligent fan cooling with low power consumption

Applications

Enterprise Networks

High-performance switching for corporate offices and enterprise LAN infrastructure.

ISP Networks

Ideal for broadband aggregation, fiber backbone, and telecom deployments.

Hotels & Campuses

Reliable connectivity for hotels, universities, hospitals, and smart buildings.

Data Centers

Suitable for aggregation layer, server connectivity, and high-speed backbone switching.

Technical Specifications

Category	Specification
Model	HSGQ-5528
Product Type	Layer-3 Managed Ethernet Switch
Downlink Ports	24 × 10/100/1000 Mbps RJ45
Uplink Ports	4 × 10G SFP+

Category	Specification
Switching Capacity	128 Gbps
Forwarding Rate	95.2 Mpps
MAC Address Table	32K
Jumbo Frame	9 KB
Memory	Buffer: 2 MB Flash: 256 MB SDRAM: 512 MB
Power Supply	AC 100–240V, 50/60Hz
Power Consumption	? 30W
Dimensions	440 × 220 × 44 mm
Installation	Desktop / Rack Mount
Cooling	Intelligent Fan Cooling
Operating Temperature	0°C to 45°C
Storage Temperature	-40°C to 85°C

Advanced Features

Feature	Details
VLAN	Port-based VLAN, IEEE 802.1Q, QinQ
Link Aggregation	LACP
Spanning Tree	STP / RSTP / MSTP

Feature	Details
Routing	Static Routing, RIP, OSPF
Security	ACL, Port Security, Storm Control, ARP Protection
Management	Web GUI, CLI, SNMP, Telnet, SSH
Monitoring	SNMP v1/v2c/v3, RMON, Syslog

Installation Recommendation

Install the HSGQ-5528 in a standard 19-inch equipment rack with adequate airflow for efficient cooling. Use the **10G SFP+ uplink ports** for backbone connectivity and configure **VLANs, Link Aggregation (LACP), ACLs, and Layer-3 routing** to optimize network performance, security, and scalability. Regularly monitor switch status using **SNMP**, **Syslog**, or the Web GUI to maintain reliable network operation.

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