

L3 Managed Ethernet Poe Switch HSGQ

An L3 Managed Ethernet PoE Switch is ideal for mid to large-scale network environments that require advanced routing, centralized management, and the ability to deliver power to devices directly through the Ethernet cables.

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Variants

SG2008P 5828P-400

Details

The **HSGQ-5528** is a high-performance **Layer 3 Managed Ethernet Switch** featuring **24 Gigabit RJ45 ports** and **4 × 10G SFP+ uplink ports**. Designed for enterprise, ISP, data center, hotel, campus, and government networks, it delivers high-speed connectivity, advanced routing, comprehensive security, VLAN management, and intelligent QoS features.

With a non-blocking switching architecture, IPv4/IPv6 routing, multicast support, DHCP services, and powerful management capabilities, the HSGQ-5528 is an ideal solution for modern high-performance optical and Ethernet networks.

Gigabit Ports

24 × GE

Uplink

4 × 10G SFP+

Switching Capacity

128Gbps

Layer

L3 Managed

Key Features

? 24 × Gigabit RJ45 Ethernet Ports

? 4 × 10G SFP+ High-Speed Uplink Ports

? Advanced Layer 3 Routing (Static, RIP, OSPF, VRRP)

? VLAN, QinQ & VLAN Translation

? QoS Traffic Prioritization

? RSTP / MSTP Redundancy Support

? DHCP Server, Snooping & Relay

? SNMP, Syslog, NTP & Web Management

Hardware Specifications

Category	Specification
Model	HSGQ-5528
Ethernet Ports	24 × 10/100/1000 Mbps RJ45
Uplink Ports	4 × 10G SFP+
Console Port	1 × Type-C
Switching Capacity	128 Gbps (Non-blocking)
Forwarding Rate	95 Mpps
MAC Address Table	32K
Packet Buffer	12 Mbit
Jumbo Frame	12 KB
Forwarding Mode	Store and Forward

Power Specifications

Parameter	Specification
Input Voltage	AC 100–240V, 50/60Hz
Power Consumption	35W

Physical Specifications

Parameter	Specification
Dimensions	440 × 220 × 44 mm
Weight	1.9 kg
Material	Metal Housing
Installation	Desktop / Rack-mounted / Wall Mounted
LED Indicators	Power, System & Port Status

Layer 3 Networking Features

IPv4 & IPv6 Static Routing

RIP / RIPng

OSPF / OSPFv3

VRRPv2 / VRRPv3

PIM-SM / SSM Multicast

DHCP Server / Snooping / Relay

QoS Traffic Management

Enterprise Network Security

Applications

Enterprise Networks

ISP Backbone Networks

Campus Networks

Hotels & Resorts

Government Offices

Data Centers

Fiber Aggregation Networks

High-Speed Optical Networking

Installation Recommendation

For maximum performance, install the HSGQ-5528 in a properly ventilated rack cabinet and use certified 10G SFP+ optical transceivers and fiber patch cords. Proper grounding and cable management are recommended to ensure long-term stability and reliable operation.