

HF-SGMFH16-300W



Product Features

- ≥ 2 gigabit SFP
- ≥ 16 x10/100/1000 Mbps RJ45 Port Support PoE+, 1-8Port rate down to 10 Mbps, But the transmission distance up to 250m.
- ≥ Power budget – Max 150W Single Port – Max 46W
- ≥ Support IEEE 802.3af / at standard, automatically detects and identifies devices that comply with the IEEE 802.3af / at standard and supply power to it
- ≥ Support Auto MDI/MDIX
- ≥ Adopt store and forward exchange method
- ≥ Intelligent power supply, the lowest power consumption, ensure PD power needs
- ≥ No configuration characteristics of the power supply is automatically supplied to the Adaptive Equipment
- ≥ Fan less design, energy saving and environmental protection; no noise, reduce the impact
- ≥ Small, exquisite design
- ≥ Support port without link power saving function
- ≥ All ports have wire-speed forwarding capability, Plug and play ,easy to use



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Specifications:

HARDWARE SPECIFICATIONS

Network Standard	IEEE802.3, IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3ad, IEEE802.3x IEEE802.3af/at, IEEE802.1p, IEEE802.1q, IEEE802.1w, IEEE802.1d, IEEE802.1s
Port	16 10/100/1000Mbps RJ45 port 2 gigabit SFP 1 Console PoE 10/100/1000Mbps RJ45 port support PoE+ Max 150W Single port max 46W
LEDs	18 Link/Act LEDS 16 POE LEDS 1 SYS LED 1 Power LED
Performance	Forwarding mode store and forward Bandwidth:36Gbps Packet forwarding rate:26.8Mpps 8K MAC address table
Lightning Protection	6KV
Dimensions (L x W x H)	440mm x 180mm x 44mm

SOFTWARE SPECIFICATIONS

Protocol Standard	IEEE 802.3 Ethernet Media Access-Control (MAC) Protocol IEEE 802.3i 10BASE-T Ethernet IEEE 802.3u:100BASE-TX Fast Ethernet IEEE 802.3ab.1000BASE-T Gigabit Ethernet IEEE 802.3z:1000BASE-X Gigabit Ethernet (Fiber) IEEE 802.3ad: Standard method for performing Link aggregation IEEE 802.3x flow control IEEE 802.1p.LAN layer 2 Qos/Cos protocol for traffic priority (multicast filtering)
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Short cut function

IEEE 802.1g. VLAN
IEEE 802.1d:STP Spanning tree
IEEE 802.1s1MSTP Spanning tree
IEEE 802.1wRSTP Spanning tree
IEEE 802.3af
IEEE 802.3at
one key AI VLAN
One key AI Extend (1-8 port 250m PoE distance)

DHCP

One Key AL PoE
One Key QoS (Video priority)

VLAN

Support DHCP Snooping
Support 4K VLAN
Support 802.1Q VLAN MAC VLAN, IP VLAN
Voice VLAN

MAC ADDRESS TABLE

Comply the IEEE 802.1d Standard
Support static, dynamic, filter address table

SAFETY

Password protection
Support based on the port number, IP Address, MAC Address
Restrictions on user address
Support HTTPS, SSL V3, TLS V1, SSH V1/V2
Support IP- MAC – PORT Ternary binding
Support ARP Protection, IP Source protection, DoS Protection
Support DHCP Snooping, DHCP Attack protection
Support 802.1X Certificated, AAA
Support Port security, port isolation
Support CPU Protection



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PoE Management

Support PoE Power limit

Support PoE chip status view

Support setting PoE Port Priority

Support setting PoE Power supply time period

Access control (ACL)

Support L2 (layer 2) ~ L4 (Layer4 packet filtering

Support port mirroring, port redirection, flow rate limiting, QoS re-marking

Quality of service (QoS)

Support 8 port Queue

Support port priority, 802.1p priority,

DSCP priority

Support SP, RR, WFQ priority scheduling algorithm

Spanning tree

Support STP (IEEE 802.1d), RSTP (IEEE 802.1w) And

MSTP(IEEE802.1s) protocol

Support loop protection, root bridge protection, TC protection, BPDU protection, BPDU filtering

Multicast

Support IGMP v1/v2 snooping

Support fast leave mechanism

Support multicast VLAN

Supports multicast filtering, packet statistics, and unknown multicast discards

Storm suppression

Support multicast suppression

Support broadcast suppression

Support unknown unicast suppression

Link aggregation

Support static aggregation

Support dynamic aggregation

Support IP, MAC and hybrid load balancing moods

Supports up to 32 aggregation groups



IPv6	Supports IPv6 Ping, IPv6 Tracert, IPv6 Telnet Support IPv6 SSH, IPv6 SSL
Management and Maintenance	Support WEB network management (HTTP, HTTPS, SSL V3) Support CLI (Telnet, SSH V1/V2, local serial port) Support SNMP V1/V2/V3 Support LLDP, RMON Support ARP protection, IP source protection, DoS protection Support system log, grading warning Support Ping, Tracert deduction, cable detection
Working Environment	Working temperature: 0°C~40°C, Working humidity: 10%~90%RH without condensation
Storage Environment	Storage temperature: -40°C~70°C, Storage humidity: 5%~90%RH non-condensing



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