HI-FOCUS®
Enhancing your sixth sense

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 300W 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

An ISO 9001:2008 Certified Company

*Design and specification are subject to change without notice

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 300W
	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:100BASL IX 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)

	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
Short cut function	one key AI VLAN
	One key Al Extend (1-8 port 250m PoE distance)
	One Key AL PoE
	One Key Q0S (Video priority)
DHCP	Support DHCP Snooping
VLAN	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

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℃～40℃,
	Working humidity: 10%～90%RH without condensation
Storage Environment	Storage temperature: -40℃～70℃,
	Storage humidity: 5%～90%RH non-condensing