

HF-SGMFI08-120W



Product Features

- 8x10/100/1000Base-TX Ethernet ports (PoE ports) and 2x10/100/1000BaseTX SFP port
- Support IEEE802.3af/at standards
- Supports PoE power up to 30W for each PoE port, all power up to 120W.
- Supports MAC address auto-learning and auto-aging
- LED indicators for monitoring power, link/activity
- Support QoS, port mirroring, link aggregation protocol.
- Built –in Power supply



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Specifications:

Network Port	8 x 10/100/1000 Mbps PoE RJ45(Port 1 ~port 8) 2 x 1000Mbps SFP ports 1x Console port
Transfer Rate	1000Mbps full Duplex
Performance	Bandwidth: 20Gbps (no block) Forwarding Mode: store and Forward Packet Forwarding Rate: 41.67Mpps 8K MAC address table
Network protocol and standard	IEEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.1P, IEEE802.3x, IEEE802.3az, IEEE802.1x, IEEE802.3af, IEEE802.3at,
Power pin	1/2(+),3/6(-)
PoE Budget	120W@100~260VAC,50/60HZ
PoE Ports (RJ45)	8 x PoE ports compliant with 802.3at/af

POWER SUPPLY

Power Supply	100~240VAC, 50/60HZ, 120W
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ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	0°~45°C
Storage Temperature	-40°C~70°C
Working Humidity	10%~90% (Non-condensing)
Storage Humidity	5%~90% (Non-condensing)

PHYSICAL CHARACTERISTICS

Dimensions (LxWxH)	230x150x44.5mm
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SOFTWARE SPECIFICATIONS

MAC Address Table	8K
Jumbo Frame	10K (10000)
Flow Control	802.3x (Full-duplex), Back-Pressure (Half-duplex)
Spanning Tree	IEEE 802.1D (STP), IEEE 802.1w (RSTP), IEEE 802.1s (MSTP), Auto Edge Port, BPDU Filtering, ERPS, Self Loop Detection
Link Aggregation	IEEE 802.3ad LACP, Static Trunk, Max. Group, Max. Ports/Group , Traffic Load Balancing
Static Routing	IPv4/IPv6
Address Resolution Protocol (ARP)	Static ARP

VLAN

Static VLAN	256
Port-based	Supported
IEEE 802.1Q Tagged-based	Supported
Protocol-based	8 groups
MAC-based	256
Voice VLAN	OUI Mode (Auto/Manual): 16 OUI
Surveillance VLAN	OUI Mode (Auto/Manual): 16 OUI
QinQ (IEEE 802.1ad)	Basic
GARP VLAN Registration Protocol (GVRP)	Supported

MULTICAST

Common	256 Multicast Groups, Immediate Leave, Static/Forbidden Router Port, tatic/Forbidden Forward Port, Filtering, Throttling
IGMP Snooping	IGMP v1/v2 , IGMP v3 Basic (BISS), IGMP v2/v3 Querie
MLD Snooping	MLD v1/v2, Multicast VLAN Registration (MVR)

QoS FEATURES

Priority Queue	8 queues/port
Queue Scheduling	WRR, WFQ, Strict Pripriority, Hybrid(WRR+SP or WFQ+SP)
Class of Service	Port-based, 802.1p, IP TOS Precedence, IP DSCP, Trusted QoS



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Rate Limit
 Access Rules
 ACL Type
 PoE Function

Port-based (Ingress/Egress)
 1024
 MAC-based, IPv4-based, IPv6-based
 Power, Current, Voltage, PoE Watch Dog

SECURITY

Authentication
 Authentication Manager

AAA, 8 TACACS+, 8 RADIUS
 IEEE 802.1X, MAC Auth, Web Auth, Guest VLAN, Port-based, Host-based

Account Manager

Local Authentication, 8 Multiple User Account,
 Multi-Level Security (Manager/Operator), Password
 Recovery Procedures

Management Access

Management VLAN, Management ACL

SSL

SSLv2, SSLv3, TLSv1

WebUI

HTTPS

CLI

SSH v1/v2

Port Security

Dynamic Lock

Storm Control

Broadcast, Unknown Multicast, Unknown Unicast,
 Spanning Tree, Protected Port (Port Isolation), Black Hole
 MAC, CPU Defence Engine, DoS Prevention,
 DHCP Snooping, Dynamic ARP Inspection, IP Source Guard,
 IP/MAC/Port Binding (IMPB), Dynamic VLAN Assignment
 Auto Configuration, Static IPv6 Address and Prefix Length
 Static IPv6 Default Gateway, Pv6 Neighbor Discovery (ND),
 IPv6 Duplicate Address Detection, ICMPv6
 HTTP/HTTPS, TELNET, SSH, SNMP, TFTP, Syslog, PING,
 DHCPv6

IPv6 Host

IPv6 Application

MANAGEMENT

CLI

Console 3 sessions, Telnet (RFC854) 3 sessions

WebUI

HTTP

SNMP

v1, v2c, v3

File Management

Firmware Upgrade/Backup, Dual Images, Configuration
 Download/Backup, Multiple Configurations

Upload/Download

TFTP (RFC783), HTTP, UART

Time Management

Local, SNTP

Port Management

Friendly Port Name (Port Description), Error Disabled
 Recovery

Line Management

Console, Telnet (RFC854), SSH v1/v2



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DHCP
DNS
Software Reset Button
EEE (802.3az)
RMON Management
Discovery

Mirroring
Syslog (RFC3164)
System Diagnostics

Port Diagnostics
Network Diagnostics
MIB

Client
Client
Yes
Yes
32 entries / type
IEEE 802.1AB Link Layer Discovery Protocol (LLDP),
ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED)
Portt-based (Many to One) 4 sessions
Local RAM, Local Flash, Remote Server
CPU Utilization, Memory Utilization, Port Utilization, Technical
Support Log
Cable Test, Fiber Module Status
Ping Tes, Traceroute, UDLD
RFC1213 MIBII (System & Interface groups), RFC2819 RMON I (1,2,3,
& 9 groups), RFC1215 Generic Traps, RFC1493 Bridge, RFC2674
Bridge MIB Extension, RFC2737 Entity, RFC3635 Ethernet-Like,
RFC2863 Interface Group, SNMP-Community-MIB, SNMPv3-MIB



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