HF-SIG24G0F4-D250WN

Product Features

- 24 x 10/100/1000Base-T PoE ports (Data/ Power),
  4 x 100/1000Base-X uplink SFP fiber ports (Data)
- Comply with IEEE 802.3 af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.
- Support PoE network management function, port power status viewing, etc. through network management configuration.
- Support IEEE 802.1Q VLAN.
- Support IGMP Snooping V1/V2 to meet the needs of multi-terminal high-definition video surveillance and video conferencing access.
- The user-friendly panel can show the device status through the LED indicator of PWR, Link, and PoE.
- Web network management, CLI (Console, Telnet), SNMP (V1/V2/V3), Telnet, and other diversified management and maintenance methods

Specifications:

Network Port	24 x 10/100/1000Base-T PoE ports (Data/Power)
	4 x 100/1000Base-X uplink SFP fiber ports (Data)
	2 x AC100-240V input ports
	1 x RS232 Console port
	1 x DC48-57V input ports
Ethernet Port	Port 1-24 can support 10/100/1000Base-T(X) auto – sensing,
	full/half duplex, MDI/MDI-X self-adaption
Twisted Pair Transmission	10 BASE-T: Cat3, 4, 5 UTP (≤ 100 meters)
	100 BASE-TX: Cat 5 or later UTP (≤100 meters)
	1000 BASE-T: Cat 5e or later UTP (≤ 100meters)
Optical Fiber Port	Gigabit optical fiber port, default no include optical modules
Optical Cable / Distance	Multi-mode: 850nm/0-550m,
	Single-mode: 1310nm/0-40km, 1550nm/ 0-120km

PARAMETER

Network Management Type	L2+
Network Protocol	IEEE802.310BASE-T, IEEE802.3i10Base-T, IEEE802.3u100Base-TX
	IEEE802.3ab1000Base-T, IEEE802.3z1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	56Gbps (non-blocking)
Forwarding Rate @64byte	41.66Mpps
CPU	500 M
DRAM	1G
FLASH	256M

MAC	8K
Buffer Memory	4.1M
LED Indicator	Power: PWR (Yellow), System: SYS (Yellow), Fiber port: L/A(Green), PoE: PoE (Green), Network: Link/ Act (Yellow)
Reset Switch	Yes, press and hold the switch for 10 seconds and release it to re store the factory settings

POE & POWER SUPPLY

PoE Port	Port 1-24 IEEE 802.3 af/at
PoE Management	Port PoE output on/off, Port PoE working status display
Power Supply Pin	1/2(+)3/6(-)
Max Power Per Port	30W, IEEE802.3af/at
Total PWR / Input Voltage	250W/ (AC100-240V)
Power Consumption	Standby < 15W, Full Load <240W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 5.0A
Power Input Port	Alarm switch port, 2 x AC power input ports, 2 x DC48-57V input ports Dual input power port: AC power supply priority to support anti-reverse connection protection, and automatically switches to DC connection when power fails.

PHYSICAL PARAMETER

Operation Temperature	-40°C~+80°C
Humidity	5%~90%RH Non condensing
Storage Temperature	-40°C~+85°C
Humidity	5%~95%RH Non condensing
Dimension (LxWxH)	440x378x44.5mm
Net /Gross Weight	5.3kg/6.1kg

NETWORK MANAGEMENT FEATURE

Interface	IEEE802.3x flow control (Full duplex)
	Broad cast storm suppression based on port rate
	Port real time traffic management (Flow Interval)
	Limit the rate of packet traffic on incoming and outgoing ports, mini granularity is 16Kbps and max is 1Gbps
L3 Feature	IPV4 static route / default route
VLAN	Port-based VLAN (4K), VLAN based on the protocol
	IEEE802.1q, Port configuration of Access, Trunk, Hybrid
Port Aggregation	LACP dynamic aggregation, Static aggregation,
	Max 10 aggregation groups and 8ports per group
Spanning Tree	RSTP (IEEE802.1w)
ERPS	ERPSv2
Multicast	Multicast VLAN, User quick exit mechanism, IGMP Snooping v1/v2
Port Mirroring	Bidirectional data mirroring based on port
QoS	802.1p/ DSCP priority mapping, Diff-Serv QoS Queue scheduling algorithm (SP,WRR,WFQ) Flow-based rate limiting, Flow- based packet filtering Flow-based redirection, 8*Output queues of each port
ACL	Port-based and VLAN – delivered ACL The L2- L4 packet filtering function can match the first 80 bytes of the packet and provide information based on source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range to define the ACL
Security	Port isolation, Port broad cast message suppression Port-based and Mac-based IEEE802.1X certification User hierarchical management and password protection AAA & RADIUS certification, IP source address protection
DHCP	DHCP Client, DHCP Snooping
Management	Web network management (https), Ping detection ONV-NMS platform cluster management (LLDP+SNMP) One click recovery, View CPU real-time utilization status Link Layer Discovery Protocol (LLDP), System worklog Console/Telnetand CLI configuration, SNMP V1/V2/V3 NTP clock, HTTP file upload And download management