

HF-SIG16G0F4-D250WN



Product Features

- ≥ 16 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



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Specifications:

Network Port	16 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 2 x DC48-57V input ports
Ethernet Port	Port1-16 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 (optional single-mode / multi-mode, single fiber / dual fiber optical module)
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	29.76 Mpps
CPU	500 M
DRAM	1G
FLASH	256M



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MAC	8K
Buffer Memory	4.1M
LED Indicator	Power: PWR (Yellow), System: SYS(Yellow), PoE: PoE (Green), Network: Link/Act (Yellow), Fiber port: L/A (Green)
Reset Switch	Yes

POE & POWER SUPPLY

PoE Port	Port1-16
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, 4.1A
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



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NETWORK MANAGEMENT FEATURE

Interface	<p>IEEE802.3x flow control (Full duplex)</p> <p>Broad cast storm suppression based on port rate</p> <p>Port real time traffic management (Flow Interval)</p> <p>Limit the rate of packet traffic on incoming and outgoing ports, mini granularity is 16Kbps and max is 1Gbps</p>
L3 Feature	IPV4 static route / default route
VLAN	<p>Port-based VLAN (4K), VLAN based on the protocol</p> <p>IEEE802.1q, Port configuration of Access, Trunk, Hybrid</p>
Port Aggregation	<p>LACP dynamic aggregation, Static aggregation,</p> <p>Max 10 aggregation groups and 8ports per group</p>
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	<p>802.1p/ DSCP priority mapping,</p> <p>Diff-Serv QoS Queue scheduling algorithm (SP,WRR,WFQ)</p> <p>Flow-based rate limiting, Flow- based packet filtering</p> <p>Flow-based redirection, 8*Output queues of each port</p>
ACL	<p>Port-based and VLAN – delivered ACL</p> <p>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</p>
Security	<p>Port isolation, Port broad cast message suppression</p> <p>Port-based and Mac-based IEEE802.1X certification</p> <p>User hierarchical management and password protection</p> <p>AAA & RADIUS certification, IP source address protection</p>
DHCP Management	<p>DHCP Client, DHCP Snooping</p> <p>Web network management (https), Ping detection</p> <p>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</p>

