

8-Port 1000M Layer 2 Managed POE Industrial Ethernet Switch

HF-IES-4000-8P8G-DB5P8



Overview:

HF-IES-4000-8P8G-DB5P8 is a managed redundant ring PoE Ethernet switch with 8x10/100/1000Base-T(X) ports with PoE+ function with complete support of Ethernet redundancy protocol, HF-Ring (recovery time≤15ms). Equipped with 8X10/100/1000Base-T(X) 30Watts P.S.E.(Power Sourcing Equipment) ports. P.S.E. is a device that will provide power in a PoE setup. It's plug and play, designed in wide operating temperature from -40 °C to 85 °C, with performance of dust/salt fog proof, make it completely suitable for harsh environments.

Feature

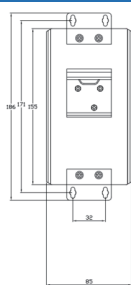
- 8 IEEE 802.3af/at PoE compliance 10/100/1000Base-T(X) ports
- HF-Ring (recovery time≤15ms), RSTP/STP, and MSTP for network redundancy
- Support IPv4/IPv6
- Support web interface management, CLI-Console/Telnet,SNMPv1/v2/v3, RMON/System syslog
- Support IEEE802.1Q VLAN/MAC based VLAN/Protocol based VLAN/ IP subnet based VLAN/QinQ/GVRP/MVR
- Support Port-based IEEE802.1X/Single and multiple IEEE802.1X/ MAC-based authentication /VLAN Assignment/ IP source guard/RADIUS/ TACACS+/ACL/SSHv2/HTTPS
- Support ITU-T G.8032 Ethernet Ring Protection
- Support IGMP v1/v2/v3 Snooping, MLD v1/v2 Snooping
- Support DHCP Server/Client/Relay/snooping
- Support DNS client/proxy
- Support LACP/Link Aggregation Static
- Support port mirroring, port speed limit, broadcast storm control
- Support two 25G fiber port(optional 1G)
- EMC industrial level 4
- IP40 protection, metal housing

Specification

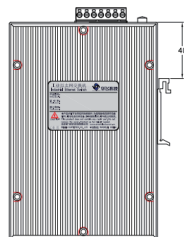
Physical Port	
10/100/1000Base-T(X)Ports in RJ45	8
Transmission Distance	
Twisted pair	100m(Adopt standard CAT5, CAT5e)
Multi-mode	1310nm 5KM(100M), 850nm 550M(1000M)
Single mode	1310nm 40KM/60KM(100M) 1550nm 60KM/80KM(100M) 1310nm 10KM/40KM(1000M) 1550nm 60KM/80KM(1000M)
Technology	
Standards	IEEE802.3i/802.3u/802.3ab/802.3z/802.3x/802.3ad/802.1p/802.1q/802.1d/802.1w/802.1s/802.1ad/802.3az/802.1x/802.1ab, IEEE802.3af-2003, IEEE802.3at-2009
Protocol	HF-Ring, IGMP v1/v2/v3 Snooping, GVRP, SNMPv1/2/3, MLD v1/v2 Snooping, DHCP Server/Client/Relay/snooping, RMON, HTTPS, Telnet, System syslog, SSHv2, DNS client/proxy, CLI-Console, Q-in-Q, RADIUS, TACACS+, ACL
MIB	MIB-II, Ethernet-Like MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1, 2, 3, 9
DDM Function	Tx/Rx Optical Power and Temperature control
Flow Control	IEE802.3x flow control, back pressure flow control
Switch Properties	
Priority Queues	8
Maximum No of Available VLANs	4094
VLAN ID Range	1-4094
MAC Table Size	8K
Packet Buffer Size	4Mbit
Packet Forwarding Rate	14.90Mpps
Switching delay	<5μS
Interfaces	
RJ45 Port	10/100/1000Base-T(X) auto negotiation
802.3af/at PoE Port	Up to 30W on each PoE port, 720mA
Console Port	Micro USB connector, RS232 TX/RX
Alarm Contact	2-pin relay output with current carrying capacity of 0.5A@60V

LED indicators	
Power	Green On - Power on Green Off - Power off
System Indicator	Green On - The system starts up successfully Green Off - The system doesn't start up successfully
POE Indicator	Green On-POE function work successfully Green Off - POE function does not work
10/100/1000Base-T(X) RJ45 Port Indicator	Yellow for port speed: Yellow On —The port works at 1000Mbps. Yellow Off—The port works at 10Mbps or 100Mbps Green for port Link/Act: Green On and Blinking—Port LINK UP, data is transmitted Green On – No Blinking –Port Link Up Green Off - Port Link down
Power	
Power backup	Optional redundant dual inputs
Input Voltage	48VDC
Full Load	10W
Overload Current Protection	Yes
Reverse Polarity Protection	Yes
Connection	7-Pin terminal block
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185 ℉)
Operating Temperature	-40 to 85°C (-40 to 185 ℉)
Operating Humidity	5% to 95% Non-condensing
Physical Characteristic	
Enclosure	Metal housing with IP40 Protection
Dimension (W x D x H)	85×105×155mm
Weight(kg)	1.0kg
Installation	Din-Rail mounting, Wall mounting
Warranty	5 years

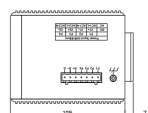
Measure(Unit/mm)



Rear view



Side view



Top view