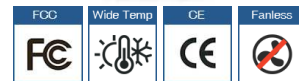


HES6G-4E Series

6G-port full Gigabit Unmanaged Ethernet switches with 4 IEEE 802.3af/at PoE+ ports

Features

- 4 10/100/1000BaseTX RJ-45 Ports (All ports support IEEE 802.3af/at PoE+)
- Smart POE over current ,over temperature and short circuit protection
- Redundant Power Input (44~57VDC)
- Detect real temperature inside switch
- Detect current and voltage for each POE+ port
- 40°C to +75°C Operating Temperature



Introduction

The HES6G-4E Series are full gigabit unmanaged PoE+ Ethernet switches that come standard with 4 10/100/1000BaseT(X), 802.3af (PoE), and 802.3at (PoE+)-compliant Ethernet ports, and up to 2 Gigabit SFP fiber ports. Each POE+ port is able to offer up to 30 watts power for PD device. The power input ranges from 24~52VDC. The switch is installed with Din-rail or panel mount.

Specifications

Technology	
Standard	IEEE802.3, 802.3u, 802.3x, 802.3z, 802.3ab, 802.3af/at
Processing Type	Store and Forward
Broadcast Storm	Automatic Broadcast Storm Control
Flow Control	Full Duplex Flow Control, Half Duplex Back Pressure Control
Protocols	CSMA/CD (Carrier Sense Multiple Access/Collision Direct)
Switch Properties	
MAC Table Size	4K
Packet Buffer Size	128K
Jumbo Frame Size	Supports up to 9720 byte
Interface	
RJ45 Port	Auto-negotiation 10/100/1000Base-T, Full/Half Duplex, Auto-MDI/MDIX
Fiber Ports	100/1000Base-X SFP interface. SFP module is MSA-compliant
PoE+ Pin out	V+, V+, V-, V-, for pin 4, 5, 7, 8 (Midspan)
LED Indicator	P1, P2, 10/100/1000Mbps, POE+ (1~4)
Physical Characteristics	
Case	Slim Metal Case, IP30 Design
Dimensions	45×145×108mm
Installation	DIN Rail or Panel Mounting

Optical Fiber

Mode	Single Mode
Transmission Distance	20km
Centre Wavelength	1310nm
Cable Size	9/125um
TX Power(dBm)	-8 to -2dBm
RX Power(dBm)	< -24dBm
Transmission Rate	100Mbps

Environment Limits

Operating Temp	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C
Storage Temp	-40°C to 85°C
Ambient Relative Humidity	5 to 95%(Non-condensing)

Standards and Certifications

Safety	EN60950, UL60950, IEC60950
EMI	FCC Part15, CISPR(EN55022) Class A
EMS	EN61000-4-2(ESD) Level 3, EN61000-4-3(RS) Level 3, EN61000-4-4(EFT) Level 3, EN61000-4-5(Surge) Level 3, EN61000-4-6(CS) Level 3, EN61000-6-2
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

Warranty

Warranty Period	3 years
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Ordering Information

HES6G-4E-2SFP-VL	Din-rail Unmanaged, 4 x 1000Mbps POE+ Copper Port, 2 x 1000Mbps SFP Fiber Port, Industrial Temperature -10 to +60 °C, Power Input 24~52VDC
HES6G-4E-2SFP-VLW	Din-rail Unmanaged, 4 x 1000Mbps POE+ Copper Port, 2 x 1000Mbps SFP Fiber Port, Industrial Wide Temperature -40 to +75 °C, Power Input 24~52VDC