

Product Information

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		Optical Fiber	
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3z, 802.3ab, 802.3af/at	Mode	Single Mode
Processing Type :	Store and forward	Transmission Distance	20km
Broadcast Storm :	Automatic Broadcast Storm Control	Centre Wavelength	1310nm
Flow Control :	Full Duplex Flow Control, Half Duplex Back Pressure Control	Cable Size	9/125um
Protocols :	CSMA/CD (Carrier Sense Multiple Access/Collision Direct)	TX Power(dBm)	-8~-2dBm
Switch Properties		RX Power(dBm)	< -24dBm
MAC Table Size :	4K	Transmission Rate	1000Mbps
Packet Buffer Size :	128K	Environment Limits	
Jumbo Frame Size :	Supports up to 9720 byte	Operating Temp. :	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C
Interface		Storage Temp. :	-40 to 85°C
RJ45 Port :	Auto-negotiation 10/100/1000Base-T, Full/Half Duplex, Auto-MDI/MDIX	Ambient Relative Humidity :	5 to 95%(Non-condensing)
Fiber Ports :	100/1000Base-X SFP interface. SFP module is MSA-compliant.	Standards and Certifications	
PoE+ Pin out :	V+, V+, V-, V-, for pin 4, 5, 7, 8 (Midspan)	Safety :	EN60950, UL60950, IEC60950
LED Indicators :	P1, P2, 10/100/1000Mbps, POE+ (1~4)	EMI :	FCC Part15, CISPR(EN55022) Class A
Power Requirements		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
Input Voltage :	24~52VDC	Shock :	IEC 60068-2-27
Power budget :	180W MAX	Freefall :	IEC 60068-2-32
Input Connection :	Standard four terminal power input	Vibration :	IEC 60068-2-6
Physical Characteristics		Warranty	
Case :	Slim Metal Case, IP30 Design	Warranty Period :	3 years
Dimensions :	45×145×108mm (W*H*D)		
Installation :	DIN Rail or Panel Mounting		

Ordering Information

HES6G-4E

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