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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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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