Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Product Information

HES5A-4E Series

5-port Unmanaged Ethernet Switches with 4 IEEE 802.3af/at PoE+ ports

Features

- ❱ IEEE 802.3af/at compliant PoE
- ❱ Up to 30 watts per PoE port
- ❱ 24/52VDC wide range redundant power inputs
- ❱ Redundant dual VDC power inputs
- ❱ -40 to +75°C operating temperature range

Henrich Electronics Corporation

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Introduction

The HES5A-4E switches are smart, 5-port, unmanaged Ethernet switches supporting PoE (Power-over-Ethernet) on ports 2 to 5. The switches are classified as power source equipment (PSE), and when used in this way, the HES5A-4E switches enable centralization of the power supply and provide up to 30 watts of power per port. The switches can be used to power IEEE 802.3af/at compliant powered devices (PD), eliminating the need for additional wiring, and support IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDI-X auto-sensing to provide an economical solution for your industrial Ethernet network.

Specifications

Technology	
Standard :	IEEE802.3, 802.3u, 802.3x, 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 :	1K

Interface	
RJ45 Port :	Auto-negotiation10/100Base-T, Full/Half Duplex, Auto-MDI/MDIX
Fiber Ports :	100Base-FX or SFP interface. SFP module is optional
LED Indicators :	Power, 10/100M, PoE

Power Requirements	
Input Voltage :	24~52VDC @ 140W MAX
Input Connection :	Standard four terminal power input

Physical Characteristics	
Case :	Slim Metal Case, IP30 Design
Dimensions :	45×110×76mm
Installation :	DIN Rail or Panel Mounting

Optical Fiber		
Mode	Multi-mode	Single Mode
Transmission Distance	2km	20km
Centre Wavelength	1310nm	1310nm
Cable Size	62.5/125um	9/125um
TX Power(dBm)	-20~-10dBm	-15~-8dBm
RX Power(dBm)	< -32dBm	< -32dBm
Transmission Rate	100Mbps	100Mbps

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

Standards and Certifications	
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

Ordering Information

HES5A-4E

HES5A-4E-VL	Din-rail Unmanaged, 1 x 100Mbps Copper Port, 4 x PoE+ 100Mbps Copper Port, Industrial Temperature -10 to +60°C, Power Input 24~52VDC
HES5A-4E-VLW	Din-rail Unmanaged, 1 x 100Mbps Copper Port, 4 x PoE+ 100Mbps Copper Port, Industrial Wide Temperature -40 to +75°C, Power Input 24~52VDC
HES5A-4E-SFP-VL	Din-rail Unmanaged, 1 x 100Mbps SFP Fiber Port, 4 x PoE+ 100Mbps Copper Port, Industrial Temperature -10 to +60°C, Power Input 24~52VDC
HES5A-4E-SFP-VLW	Din-rail Unmanaged, 1 x 100Mbps SFP Fiber Port, 4 x PoE+ 10/100Mbps Copper Port, Industrial Wide Temperature -40 to +75°C, Power Input 24~52VDC