

Product Information

HES16G Series

16G-port Din-rail Full Gigabit Unmanaged Ethernet Switches



Features

- ❖ Up to 8 Gigabit Copper Port, 4 Gigabit LC Fiber Port and 4 Gigabit SFP Slots
- ❖ Fiber optic options for extending distance and electrical noise immunity
- ❖ IEEE802.3, 802.3u, 802.3ab, 802.3z, 802.3x
- ❖ Sturdy Metal Enclosure , IP30 Protection Level
- ❖ -40 to +75°C Wide Operating Temperature Range (W models)
- ❖ Redundant Power Input , 12~36VDC or 10~24VAC



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Introduction

The HES16G series are full Gigabit switches, equipped with 8 Gigabit copper port, 4 Gigabit fiber port with LC connector and 4 Gigabit SFP fiber port. The switches is of high integration and reliability in a small package , making them ideal for applications that demand high bandwidth. The HES16G switches provide an economical solution for your industrial Gigabit Ethernet connection. There are two choices for redundant power inputs, 12~36VDC or 10~24VAC. The operating temperature range from -40 to +75°C. The model is subject to a 100% burn-in test to ensure that they fulfill the special needs of industrial automation control applications.

Specifications

Technology		Environment Limits	
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3ab, 802.3z	Operating Temp. :	Standard Models: -10 to 60°C Wide Temp. Models: -40 to 75°C
Processing Type :	Store and forward	Storage Temp. :	-40 to 85°C
Broadcast Storm :	Automatic Broadcast Storm Control	Ambient Relative Humidity :	5 to 95%(Non-condensing)
Flow Control :	Full Duplex Flow Control, Half Duplex Back Pressure Control	Standards and Certifications	
Protocols :	CSMA/CD (Carrier Sense Multiple Access/Collision Direct)	EMI :	FCC Part15, CISPR(EN55022) Class A
Switch Properties		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
MAC Table Size :	4K	Shock :	IEC 60068-2-27
Interface		Freefall :	IEC 60068-2-32
RJ45 Port :	10/100/1000BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection	Vibration :	IEC 60068-2-6
Optical Ports :	1000Mbps full duplex, single/multi mode, single/dual fiber, LC/SFP connectors	Warranty	
LED Indicators :	Power, Port Status, 10/100/1000M	Warranty Period :	3 years
Power Requirements			
Input Voltage :	12~36VDC @ 26W MAX 10~24VAC @ 26VA MAX		
Input Connection :	Standard four terminal power input		
Physical Characteristics			
Case :	Slim Metal Case, IP30 Design		
Dimensions :	70×149.7×133.1mm		
Installation :	DIN Rail or Panel Mounting		

Ordering Information

HES16G

HES16G-4SFP-4LC-VL	Din-rail Unmanaged, 8 x Gigabit Copper Port, 4 x LC Gigabit Fiber Port, 4 x SFP Gigabit Fiber Port, 2KM, Multi Mode Dual Fiber, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES16G-4SFP-4LC-VLW	Din-rail Unmanaged, 8 x Gigabit Copper Port, 4 x LC Gigabit Fiber Port, 4 x SFP Gigabit Fiber Port, 2KM, Multi Mode Dual Fiber, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HES16G-4SFP-4SLC-VL	Din-rail Unmanaged, 8 x Gigabit Copper Port, 4 x LC Gigabit Fiber Port, 4 x SFP Gigabit Fiber Port, 20KM, Single Mode Dual Fiber, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES16G-4SFP-4SLC-VLW	Din-rail Unmanaged, 8 x Gigabit Copper Port, 4 x LC Gigabit Fiber Port, 4 x SFP Gigabit Fiber Port, 20KM, Single Mode Dual Fiber, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC