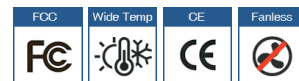


HES16C/26C Series

16 and 26-Port Rackmount Unmanaged Ethernet Switches

Features

- Up to 10 100Mbps Fiber ports
- 10/100BaseT(X) auto-negotiation and auto-MDI/MDI-X
- -40 to +75°C Operating Temperature Range (W models)
- IP40 aluminum housing
- CE/FCC, EN60959 certifications



Introduction

The HES16C/26C industrial rackmount Ethernet switches are designed to meet the demands of industrial application networks such as traffic control systems, and maritime applications. The HES16C/26C are 16 and 26-port industrial 19" rackmount unmanaged Ethernet switch series that provides a rugged and economical solution for your industrial Ethernet connections. A universal power supply range of 110/220VDC/VAC give users greater flexibility in choosing power inputs. The Ethernet switches comply with FCC, CE standards and support a wide operating temperature range from -40 to +75°C. All models undergo a 100% burn-in test to ensure that they fulfill the special needs of industrial automation control applications.

Specifications

Technology	
Standard	IEEE802.3, 802.3u, 802.3x
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 Detect)
Switch Properties	
MAC Table Size	8K
Interface	
RJ45 Port	10/100BaseT(X) auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	100BaseFX ports (SC/ST connector)
LED Indicators	Power, Port Status, 10/100M
Power Requirements	
Input Voltage	HES16C 120~370VDC @ 15W MAX 85~264VAC @ 15VA MAX
	HES26C 120~370VDC @ 25W MAX 85~264VAC @ 25VA MAX
Input Connection	Barrier type terminal blocks

Physical Characteristics

Case	Slim Metal Case, IP40 Design
Dimensions	443×44×260mm
Installation	Rack mounting

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)

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

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
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Ordering Information

HES16C-VH	Rackmount Unmanaged, 16 x 100Mbps Copper Port, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES16C-VHW	Rackmount Unmanaged, 16 x 100Mbps Copper Port, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC
HES16C-2SC-VH	Rackmount Unmanaged, 14 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES16C-2SC-VHW	Rackmount Unmanaged, 14 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC

HES16C-2SSC-VH	Rackmount Unmanaged, 14 x 100Mbps Copper Port, 2 x 100Mbps Single-Mode Fiber Port with SC connectors, 20KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES16C-4SC-VHW	Rackmount Unmanaged, 12 x 100Mbps Copper Port, 4 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC
HES16C-4SSC-VH	Rackmount Unmanaged, 12 x 100Mbps Copper Port, 4 x 100Mbps Single-Mode Fiber Port with SC connectors, 20KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES16C-4SSC-VHW	Rackmount Unmanaged, 12 x 100Mbps Copper Port, 4 x 100Mbps Single-Mode Fiber Port with SC connectors, 20KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC

Note: All of the Above Products SC Connector can be replaced by ST Connector

HES26C-VH	Rackmount Unmanaged, 26 x 100Mbps Copper Port, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES26C-VHW	Rackmount Unmanaged, 26 x 100Mbps Copper Port, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC
HES26C-2SC-VH	Rackmount Unmanaged, 24 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES26C-2SC-VHW	Rackmount Unmanaged, 24 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC
HES26C-2SSC-VH	Rackmount Unmanaged, 24 x 100Mbps Copper Port, 2 x 100Mbps Single-Mode Fiber Port with SC connectors, 20KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES26C-2SSC-VHW	Rackmount Unmanaged, 24 x 100Mbps Copper Port, 2 x 100Mbps Single-Mode Fiber Port with SC connectors, 20KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC
HES26C-4SC-VH	Rackmount Unmanaged, 22 x 100Mbps Copper Port, 4 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES26C-4SC-VHW	Rackmount Unmanaged, 22 x 100Mbps Copper Port, 4 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC
HES26C-4SSC-VH	Rackmount Unmanaged, 22 x 100Mbps Copper Port, 4 x 100Mbps Single-Mode Fiber Port with SC connectors, 20KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES26C-4SSC-VHW	Rackmount Unmanaged, 22 x 100Mbps Copper Port, 4 x 100Mbps Single-Mode Fiber Port with SC connectors, 20KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC
HES26C-6SC-VH	Rackmount Unmanaged, 20 x 100Mbps Copper Port, 6 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES26C-6SC-VHW	Rackmount Unmanaged, 20 x 100Mbps Copper Port, 6 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC

HES26C-6SSC-VH	Rackmount Unmanaged, 20 x 100Mbps Copper Port, 6 x 100Mbps Single-Mode Fiber Port with SC connectors, 20KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES26C-6SSC-VHW	Rackmount Unmanaged, 20 x 100Mbps Copper Port, 6 x 100Mbps Single-Mode Fiber Port with SC connectors, 20KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC
HES26C-8SC-VH	Rackmount Unmanaged, 18 x 100Mbps Copper Port, 8 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Temperature -10°C to +60°C, Power Input 120~370VDC or 85~264VAC
HES26C-8SC-VHW	Rackmount Unmanaged, 18 x 100Mbps Copper Port, 8 x 100Mbps Multi-Mode Fiber Port with SC connectors, 2KM, Industrial Wide Temperature -40°C to +75°C, Power Input 120~370VDC or 85~264VAC

Note: All of the Above Products SC Connector can be replaced by ST Connector