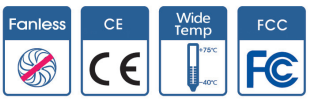
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Product Information

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

HENRICH™
Henrich Electronics Corporation
Main Office
Tel: 860-487-9869
Fax: 860-487-9478
www.henrich-inc.com

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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 Direct)
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

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-2SSC-VHW	Rackmount Unmanaged, 14 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
HES16C-4SC-VH	Rackmount Unmanaged, 12 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
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

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

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HES26C-8SSC-VH	Rackmount Unmanaged, 18 x 100Mbps Copper Port, 8 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-8SSC-VHW	Rackmount Unmanaged, 18 x 100Mbps Copper Port, 8 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-10SC-VH	Rackmount Unmanaged, 16 x 100Mbps Copper Port, 10 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-10SC-VHW	Rackmount Unmanaged, 16 x 100Mbps Copper Port, 10 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-10SSC-VH	Rackmount Unmanaged, 16 x 100Mbps Copper Port, 10 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-10SSC-VHW	Rackmount Unmanaged, 16 x 100Mbps Copper Port, 10 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