

Product Information

HES18M-2G Series

16+2G-Port Din-rail Gigabit Managed Ethernet Switches



Features

- ❖ RingOn (recovery time < 15ms), RSTP for Network Redundancy
- ❖ Up to 2 Gigabit Combo Ports
- ❖ 12~36VDC or 10~24VAC Power Inputs
- ❖ Automatic E-mail Notification for system events
- ❖ -40 to +75°C Operating Temperature Range (W models)
- ❖ IP30 DIN Rail or Panel Mounting

HENRICHTM
Henrich Electronics Corporation

Main Office

Tel: 860-487-9869

Fax: 860-487-9478

www.henrich-inc.com

Introduction

The HES18M-2G series Industrial Gigabit Managed Ethernet Switches provide powerful functionality in a small package. Designed for industrial applications, these switches contain all the standard features of other switches, such as IGMP Snooping, Port Based VLAN, 802.1Q Tag VLAN, RJ-45 automatic MDI/MDIX, auto negotiation, store and forward switching, STP, RSTP, Web Based Management, Ingress Packet Filtering, and Egress Rate Control. These managed switches also come with important industrial features to ensure reliability in an industrial application. RingOn technology with coupling ring and dual homing allows automatic recovery in less than 15ms. Dual power inputs ensure reliability. A relay alarm output for port failure notification. DIN Rail and Panel Mounting options on the same IP30 case. Another important feature is automatic e-mail notification for system events such as a cold start, change in network topology, power status or SNMP authentication failure.

Specifications

Technology			
Standard :	IEEE802.3, 802.3u, 802.3x, 802.3ab, 802.1Q, 802.1p,		
Processing Type :	Store and forward		
Broadcast Storm :	Automatic Broadcast Storm Control		
Management :	by Web Browser		
RingOn :	Recovery Time within 15ms		
Flow Control :	Full Duplex Flow Control, Half Duplex Back Pressure Control		
Protocols :	SNMP V1/V2c/V3, RingOn/RingOpen, HTTP/HTTPS, LLDP, DHCP Client, IGMP Snooping/GMRP, Telnet, Syslog		
Switch Properties			
MAC Table Size :	8K		
Priority Queues :	4		
Max. Number VLANs :	64		
VLAN ID Range :	VID 1 to 4094		
IGMP Groups :	256		
Interface			
RJ45 Port :	10/100BaseT(X) or 10/100/1000BaseT(X) auto negotiation speed		
Fiber Ports :	100BaseFX ports (SC/ST connector)		
Fiber Module :	1000Base-LX (2 SFP slots)		
LED Indicators :	Power, Port Status, 10/100/1000M		
Console port :	DB9 male		
Output Warning :	Relay, Standard 2 Pin		
Power Requirements			
Input Voltage :	12~36VDC @ 17W MAX 10~24VAC @ 17VA MAX		
Input Connection :	Standard four terminal power input		
Physical Characteristics			
Case :	Slim Metal Case, IP30 Design		
Dimensions :	69.2×151.9×150.5mm		
Installation :	DIN Rail or Panel Mounting		
Optical Fiber			
Mode	Multi-mode	Single Mode	Single Mode
Transmission Distance	2km	20km	20km
Centre Wavelength	1310nm	1310nm	1310nm
Cable Size	62.5/125um	9/125um	9/125um
TX Power(dBm)	-20~-10dBm	-15~-8dBm	-8~-2dBm
RX Power(dBm)	< -32dBm	< -32dBm	< -24dBm
Transmission Rate	100Mbps	100Mbps	1000Mbps
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

HES18M-2G Series

HES18M-2G-VL	Din-rail Managed, 16 x 100Mbps Copper Port, 2 x Gigabit combo Interface, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES18M-2G-VLW	Din-rail Managed, 16 x 100Mbps Copper Port, 2 x Gigabit combo Interface, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HES18M-2G-2SC-VL	Din-rail Managed, 14 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 2km, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES18M-2G-2SC-VLW	Din-rail Managed, 14 x 100Mbps Copper Port, 2 x 100Mbps Multi-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 2km, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC
HES18M-2G-2SSC-VL	Din-rail Managed, 14 x 100Mbps Copper Port, 2 x 100Mbps Single-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 20km, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC or 10~24VAC
HES18M-2G-2SSC-VLW	Din-rail Managed, 14 x 100Mbps Copper Port, 2 x 100Mbps Single-Mode Fiber Port with SC Connectors, 2 x Gigabit Combo Port, 20km, Industrial Wide Temperature -40°C to +75°C, Power Input 12~36VDC or 10~24VAC

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