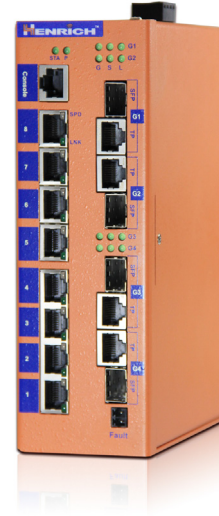# Product Information

HES12M-4G Series

8+4G-Port Din-rail Gigabit Managed Ethernet Switches

Features

- Up to 8 100Mbps Copper Port
- Up to 4 Gigabit Combo Interfaces
- RingOn (recovery time < 15ms), RSTP for Network Redundancy
- Automatic E-mail and Relay Notification for System Events
- -40 to +75°C Operating Temperature Range (W models)
- IP30 DIN Rail or Panel Mounting

Henrich Electronics Corporation

Main Office

Tel: 860-487-9869

Fax: 860-487-9478

www.henrich-inc.com

Introduction

The HES12M-4G series Industrial Gigabit Managed Ethernet Switches is equipped with high integration and high reliability in a small platform. Designed for harsh industrial environment, these managed switches also come with powerful information transmission and network management functions. They support up to 8 100Mbps copper ports and 4 Gigabit combo interfaces. There are two choices for power inputs, 12~36VDC or 10~24VAC. Redundant power inputs are available as well. As for installation, both din-rail and panel mounting are optional.

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, Telent, 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 :	1000Base-LX (4 SFP slots)
LED Indicators :	Power, Port Status, 10/100/1000M
Console port :	RJ45
Output Warning :	Relay, Standard 2 Pin

Power Requirements	
Input Voltage :	12~36VDC @ 15W MAX 10~24VAC @ 15VA MAX
Input Connection :	Standard four terminal power input

Physical Characteristics	
Case :	Slim Metal Case, IP30 Design
Dimensions :	61.6×189.8×132mm
Installation :	DIN Rail or Panel Mounting

Optical Fiber	
Mode	Single Mode
Transmission Distance	20km
Centre Wavelength	1310nm
Cable Size	9/125um
TX Power(dBm)	-8~-2dBm
RX Power(dBm)	< -24dBm
Transmission Rate	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

HES12M-4G Series

HES12M-4G-VL	Din-rail Managed, 8 x 100Mbps Copper Port, 4 x Gigabit Combo Ports, Industrial Temperature -10°C to +60°C, Power Input 12~36VDC
HES12M-4G-VLW	Din-rail Managed, 8 x 100Mbps Copper Port, 4 x Gigabit combo Ports, Industrial Wide Temperature -40°C to +85°C, Power Input 12~36VDC