HES5MA-T/HES5MB-T Series

5-Port 100M Layer 2 Managed Ethernet Switch

Features:

- Supports up to 5 Copper Ports and up to 2 Optical Fiber Ports
- Supports STP/RSTP and MSTP Network Redundancy and SNMPv1/v2/v3 to Ensure Network Security Management
- Supports LLDP, NTP, DHCP Client, Access User Management, System Management, etc.
- Supports CLI, Console, Telnet, WEB and Other Management Methods
- Supports DuraRing™ Function
- Supports Power, Port and DuraRing™ Abnormal State Relay Output Alarm Function
- -40 ~ 75°C Working Temperature Available

RoHS FCC CE Fanless

Introduction:

HES5MA-T/HES5MB-T series is a 5-port 100M layer 2 managed Ethernet switch. It supports up to 5 10/100Base-T(X) Ethernet interface and up to 2 optical fiber interface. It provides one consoleport and supports CLI management. This series switches adopt low power consumption and fanless design to ensure no noise interference, and also supports -40~75°C operating temperature. Good EMC electromagnetic compatibility performance ensures stable operation in harsh industrial environment. It provides a safe and reliable solution for factory automation, intelligent transportation, video surveillance and other industrial applications to set up a fast and stable network terminal access network.

Specification:

Ethernet Interface		
10/100BaseT(X) Ports (RJ45 Connector)	Up to 5 (Full/Half Duplex Mode; Auto MDI/MDI-X Adaptive; Auto Negotiation Speed)	
100BaseX Ports	Up to 2 (Multi/Single-mode SC/ST Connector or SFP Slot)	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z, IEEE802.1Q, IEEE802.1p, IEEE802.1s, IEEE802.1D, IEEE802.1W, IEEE802.1x	
Optical Fiber (100M)		
Mode	Multi-mode	Single-mode
Transmission Distance	2 km	20 km
Center Wavelength	1310 nm	1310 nm
TX Power	-15 ~ -2 dBm	-15 ~ -2 dBm
FX Power	⩽-32 dBm	⩽-34 dBm
Ethernet Software Features		
Industrial Protocols	ICMP, TCP, HTTP, Telnet, DuraRing™, STP/RSTP, SNMP, LLDP, IGMP-Snooping, GMRP	
Flow Control	IEEE802.3x Flow Control, Backpressure Flow Control	

Predision™

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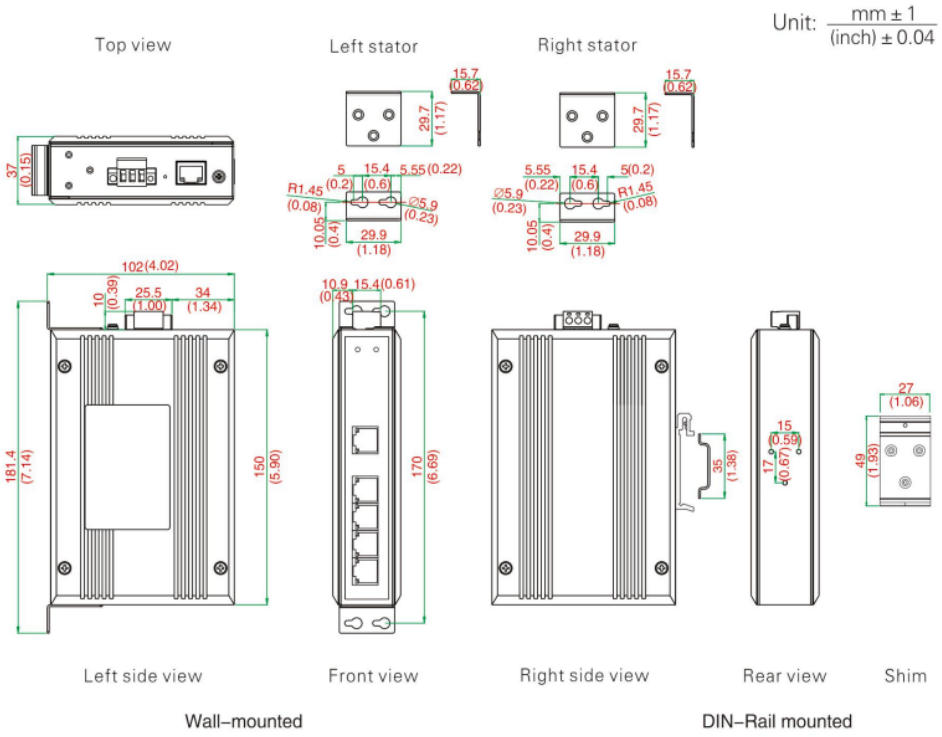
LED Interface		
LED Indicators	Power Indicator, Network Indicator, Alarm Indicator, Operation Indicator	
Power Parameters		
Input Voltage	12/24/48 VDC (10.8 ~ 52.8 VDC)	
Power Consumption	Max. 400 mA @ 24V	
Reverse Polarity Protection	Supported	
Overload Current Protection	Supported	
Switching Performance		
Forwarding Rate	148,810 pps	
Transmission Mode	Store and Forward	
MAC Table Size	1K	
Packet Buffer Size	0.5 Mb	
Backplane Bandwidth	1.2 G	
Physical Characteristics		
IP Rating	IP40	
Dimension (W x D x H)	37 x 100 x 150 mm	
Weight	850 g	
Installation	DIN-Rail Mounted / Wall Mounted	
Environmental Limits		
Operating Temperature	HES5MB-T Series: -10°C to 60°C	HES5MA-T Series: -40°C to 75°C
Storage Temperature	-40°C to 85°C	
Relative Humidity	5% ~ 95% (No Condensation)	
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(Radio Frequency Transmission) Level 3, EN61000-4-8 (Power Frequency Magnetic Field) Level 3	
Vibration	IEC 60068-2-6	
Shock	IEC 60068-2-27	
Freefall	IEC 60068-2-32	
Warranty		
Warranty Period	5 Years	

Dimension Drawing:



Ordering Information

HES5MA-T	Din-rail Layer 2 Managed, 5 x 100Mbps Copper Port, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC
HES5MA-T-SC	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2km, SC Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC
HES5MA-T-ST	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2km, ST Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC
HES5MA-T-SST	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Single-mode 20km, SST Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC
HES5MA-T-SSC	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Single-mode 20km, SSC Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC
HES5MA-T-SFP	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2km, SFP Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC
HES5MA-T-2SC	Din-rail Layer 2 Managed, 3 x 100Mbps Copper Port, 2 x 100Mbps Fiber Port, Multi-mode 2km, SC Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC
HES5MA-T-2ST	Din-rail Layer 2 Managed, 3 x 100Mbps Copper Port, 2 x 100Mbps Fiber Port, Multi-mode 2km, ST Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC
HES5MA-T-2SST	Din-rail Layer 2 Managed, 3 x 100Mbps Copper Port, 2 x 100Mbps Fiber Port, Single-mode 20km, SST Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC
HES5MA-T-2SSC	Din-rail Layer 2 Managed, 3 x 100Mbps Copper Port, 2 x 100Mbps Fiber Port, Single-mode 20km, SSC Interface, Industrial Temperature -40 ~ 75 °C, Power Supply 10.8 ~ 52.8VDC

HES5MB-T	Din-rail Layer 2 Managed, 5 x 100Mbps Copper Port, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
HES5MB-T-SC	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2km, SC Interface, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
HES5MB-T-ST	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2km, ST Interface, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
HES5MB-T-SST	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Single-mode 20km, SST Interface, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
HES5MB-T-SSC	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Single-mode 20km, SSC Interface, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
HES5MB-T-SFP	Din-rail Layer 2 Managed, 4 x 100Mbps Copper Port, 1 x 100Mbps Fiber Port, Multi-mode 2km, SFP Interface, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
HES5MB-T-2SC	Din-rail Layer 2 Managed, 3 x 100Mbps Copper Port, 2 x 100Mbps Fiber Port, Multi-mode 2km, SC Interface, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
HES5MB-T-2ST	Din-rail Layer 2 Managed, 3 x 100Mbps Copper Port, 2 x 100Mbps Fiber Port, Multi-mode 2km, ST Interface, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
HES5MB-T-2SST	Din-rail Layer 2 Managed, 3 x 100Mbps Copper Port, 2 x 100Mbps Fiber Port, Single-mode 20km, SST Interface, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
HES5MB-T-2SSC	Din-rail Layer 2 Managed, 3 x 100Mbps Copper Port, 2 x 100Mbps Fiber Port, Single-mode 20km, SST Interface, Industrial Temperature -10 ~ 60 °C, Power Supply 10.8 ~ 52.8VDC
Other Models Are Available Upon Request.	