HES6GB-Z/HES6GA-Z Series

6-port (with 2 Optical Fiber Ports) Full Gigabit Din-rail Unmanaged Ethernet Switches

Features:

- 4×10/100/1000BaseT(X) Port (RJ45 Connector)
- 2×1000Base-SX/LX Port (SC/ST/SFP Connector)
- Supports 9.2KB Jumbo Frames
- 12 ~ 52 VDC Redundant Dual Power Inputs
- IP40 Metal Housing, Fanless Design
- Lightning Surge Protection (Power Supply): 5000A (8/20μs)
- -40°C to 75°C Operating Temperature Types Available

Introduction:

Designed to fit Industrial and Commercial applications, the HES6GB-Z and HES6GA-Z series are plug and play Ethernet switches with IP40 DIN rail enclosure and convenient LEDs for Power (Link / Activity for each port). The HES6GB-Z and HES6GA-Z series switches are rated to operate at temperatures ranging from -40°C to 75°C. lightning surge protection provide the products with high performance of resistance to high and low temperature, reliability and safety of industrial network.

Specifications:

Ethernet Interface		
10/100/1000BaseT(X) Ports (RJ45 Connector)	4 Full/Half Duplex Mode; Auto MDI/MDI-X Adaptive; Auto Negotiation Speed	
1000Base-SX/LX Ports	2 (Multi/Single-mode SC/ST/SFP Connector)	
Standards	IEEE802.3; IEEE802.3i; IEEE802.3u; IEEE802.3x; IEEE802.3ab; IEEE802.3z	
Optical Fiber		
Mode	Multi-mode	Single-mode
Transmission Distance	1km	20km
Center Wavelength	1310nm	1310nm
TX Power (dBm)	⩾-12dBm	⩾-10dBm
RX Power (dBm)	⩽-24dBm	⩽-24dBm
Transmission Rate	1000Mbps	1000Mbps
Switch Properties		
Processing Type	Store and Forward	
Jumbo Frame Size	9.2KB	
MAC Table Size	2K	
Packet Buffer Size	1.2Mbit	
Power Parameters		
Input Voltage	DC 12-52V Redundant Dual Power Inputs	
Power Consumption	5W Max	
Input Connection	Phoenix Terminal	
Reverse Polarity Protection	Supported	
Overload Current 4.0A Protection	Supported	

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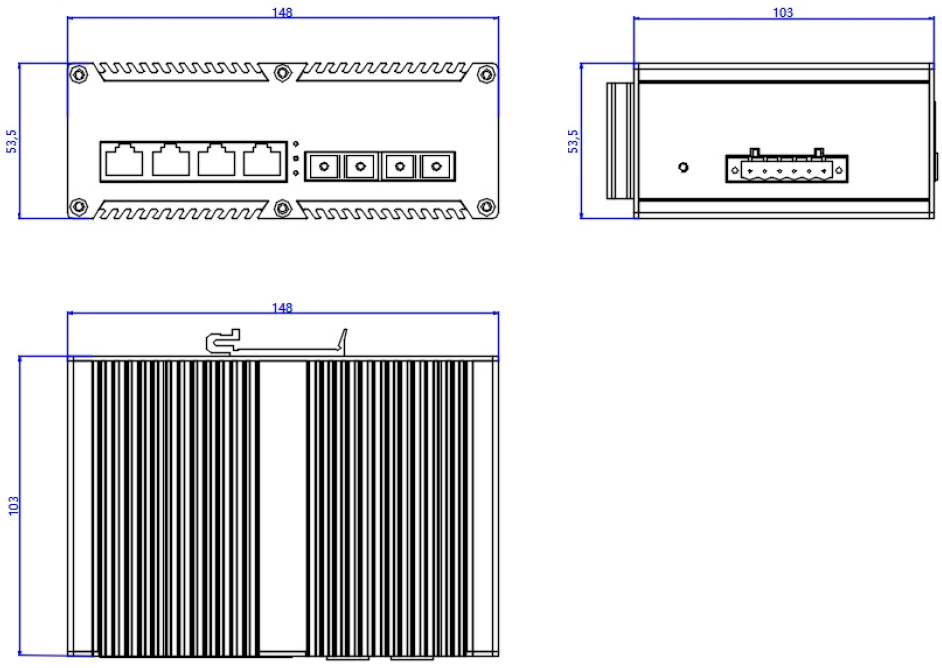
Physical Characteristics		
Case	Metal Enclosure, IP40 Design	
Dimensions (Width × Height × Depth)	2.11" × 5.83" × 4.06" (53.5mm ×148 mm × 103 mm)	
Installation	DIN Rail Mounting	
Weight	1.41lb (640g)	
Environment Limits		
Operating Temp	HES6GB-Z Serires: -10°C to 60°C	HES6GA-Z Series: -40°C to 75°C
Storage Temp	-40°C to 80°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(Radio Frequency Transmission) Level 3, EN61000-4-8 (Power Frequency Magnetic Field) Level 3, EN61000-4-16 (Common-mode Transmission) Level 3	
Shock	IEC 60068-2-27	
Freefall	IEC 60068-2-32	
Vibration	IEC 60068-2-6	
Warranty		
Warranty Period	5 Years	

Dimension Drawing:



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Ordering Information

4 × 10/100/1000M Copper Ports and 2 x 10/100/1000M Optical Fiber Ports	
HES6GB-Z-2SC	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, Multi-Mode 1KM, SC Interface, Industrial Temperature -10～60°C, Power Supply 12~52VDC
HES6GB-Z-2ST	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, Multi-Mode 1KM, ST Interface, Industrial Temperature -10～60°C, Power Supply 12~52VDC
HES6GB-Z-2SFP	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, SFP Interface, Industrial Temperature -10～60°C, Power Supply 12~52VDC
HES6GB-Z-2SSC	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, Single-mode 20KM, SC Interface, Industrial Temperature -10～60°C, Power Supply 12~52VDC
HES6GB-Z-2SST	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, Single-mode 20KM, ST Interface, Industrial Temperature -10～60°C, Power Supply 12~52VDC
HES6GA-Z-2SC	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, Multi-Mode 1KM, SC Interface, Industrial Temperature -40～75 °C, Power Supply 12~52VDC
HES6GA-Z-2ST	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, Multi-Mode 1KM, ST Interface, Industrial Temperature -40～75 °C, Power Supply 12~52VDC
HES6GA-Z-2SFP	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, SFP Interface, Industrial Temperature -40～75 °C, Power Supply 12~52VDC
HES6GA-Z-2SSC	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, Single-mode 20KM, SC Interface, Industrial Temperature -40～75 °C, Power Supply 12~52VDC
HES6GA-Z-2SST	Din-rail Unmanaged, 4 x 1000Mbps Copper Port, 2 x 1000Mbps Fiber Port, Single-mode 20KM, ST Interface, Industrial Temperature -40～75 °C, Power Supply 12~52VDC
Other Models Are Available upon Request	