

Production Information

HEST10-8E-2G Series

EN50155 Industrial Ethernet POE/PoE+ Switch



Features

- ❖ Support 8 10/100M M12 Connectors and 2 Gigabit M12 Connectors
- ❖ Support 8 POE/POE+ Ports, Max Power of 30W for Each Port
- ❖ EN50155, EN50121, IEC61375-3-4 Compliant for Train Communications
- ❖ Hardened Design for Stronge Electromagnetic Interference
- ❖ Operating Temperature: -40~+75°C
- ❖ Enclosure Protection: IP67
- ❖ Power Supply: 72~160VDC(Typical:110VDC)
- ❖ Support Bypass Function to Allow Continuous Communication throughout the Train



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Introduction

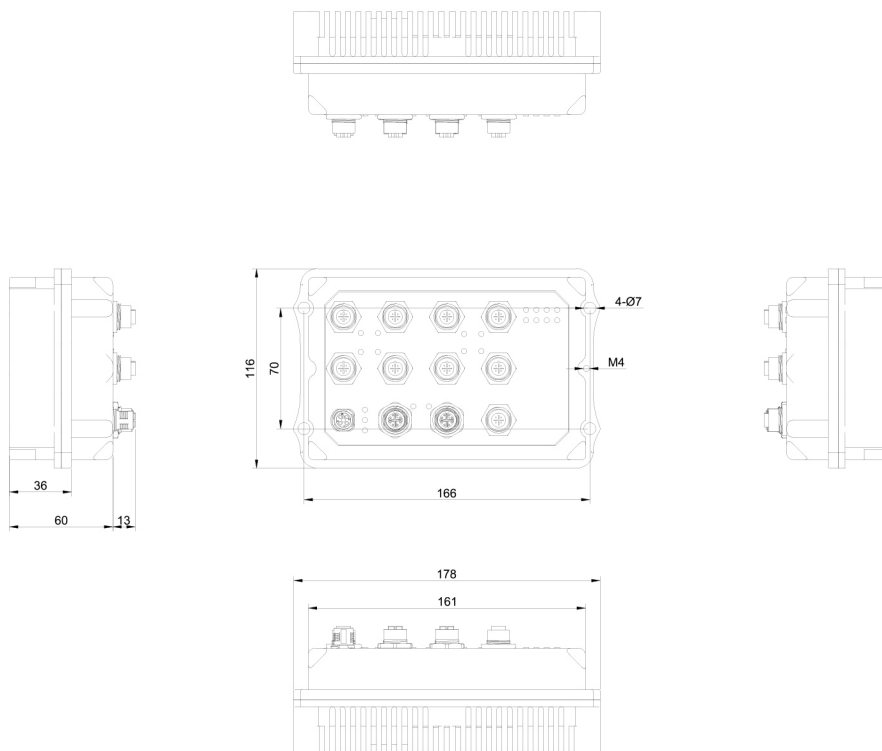
HEST10-8E-2G-VLW unmanaged switches are designed for communications between machines/devices inside trains. This line of switches are equipped with intelligent PoE/PoE+ power supply capability, thus provide the flexibility of adding machines/devices without having to worry about power sources. Compliant with IEC61375, EN51055 and EN50121 standards, and working under extreme temperatures (-40°C to +75°C), these highly compactly- designed industrial switches can meet any hazardous environments while providing robust communication performance for critical applications such as train traction and/or braking command requirements through these reliable devices.

Support 8 x 10/100BaseT(X) M12 Ethernet ports with PoE/PoE+ functions, and 2 Gigabit M12 Copper ports, dual-powered input 72-160VDC, with each port up to 30 watt and total 135 watt for 8 PoE ports. M12 connector and IP67 enclosure protection.

Specifications

Technology		Power	
IEEE Standards:	802.3, 802.3u, 802.3ab, 802.3x, 802.1p, 802.1Q, 802.1ad	Voltage:	72~160VDC
Processing Type:	Store and Forward	Power Connector:	M12 Connector
MAC Address:	16K	Mechanics	
Flow Control:	IEEE802.3x Flow Control, Back Pressure Control	Enclosure:	IP67 High Strength Aluminium
Environment Limits		Installation:	Wall-mounted
Industrial Wide Temperature:	-40°C~75°C	Dimension W*H*D:	166*116*60(Unit: mm)
Storage Temperature:	-40°C~85°C	Warranty	
Relative Humidity:	5~95%RH	Warranty Period:	3 Years
Certifications			
Rail Traffic	EN 50155 EN 50121-3-2		
EMI:	FCC Part 15, 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 EN61000-4-8 EN 61000-4-11 CISPR 22 Radiated, Level 3 CISPR 22 Conducted, Level 3 ANSIC63.4, Level 3		
Shock	IEC 61373		
Freefall	IEC 60068-2-32		
Vibration	IEC 61373		
Connector			
M12 Connector:	8 x 10/100BaseT(X) M12 Ethernet ports with PoE/PoE+, 2 Gigabit M12 Copper ports		
LED Indication:	Power, Port Status, POE+		

DIMENSION DRAWING



UNIT:MM

Ordering Information

HEST10-8E-2G-VLW	Industrial Unethernet Managed Switch, 8 10/100BaseT(X) POE/POE+ M12 ports, 2 10/100/1000M BaseT(X) M12 ports , -40°C to 75°C operating temperature, 72~160VDC(Typical: 110VDC), IP6 protection
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