

Production Information

HEST10M-8E-2G Series

EN50155 Industrial Ethernet POE/PoE+ Switch



Features

- Up to 8 10/100M M12 Connectors and 2 Gigabit M12 Connectors
- Up to 8 POE/POE+ Ports, Max Power of 30W for Each Port
- EN50155, EN55011, IEC61375-3-4 Compliant for Train Communications
- Store and Forward Mechanism, Provide Higher Bandwidth
- Hardened Design for Stronge Electromagnetic Interference
- Operating Temperature: -40~+75°C
- Ingress Protection: IP67
- Power Supply: 43~160VDC(Normal 48V and 110VDC)
- Support Bypass Function to Allow Continuous Communication throughout the Train



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Introduction

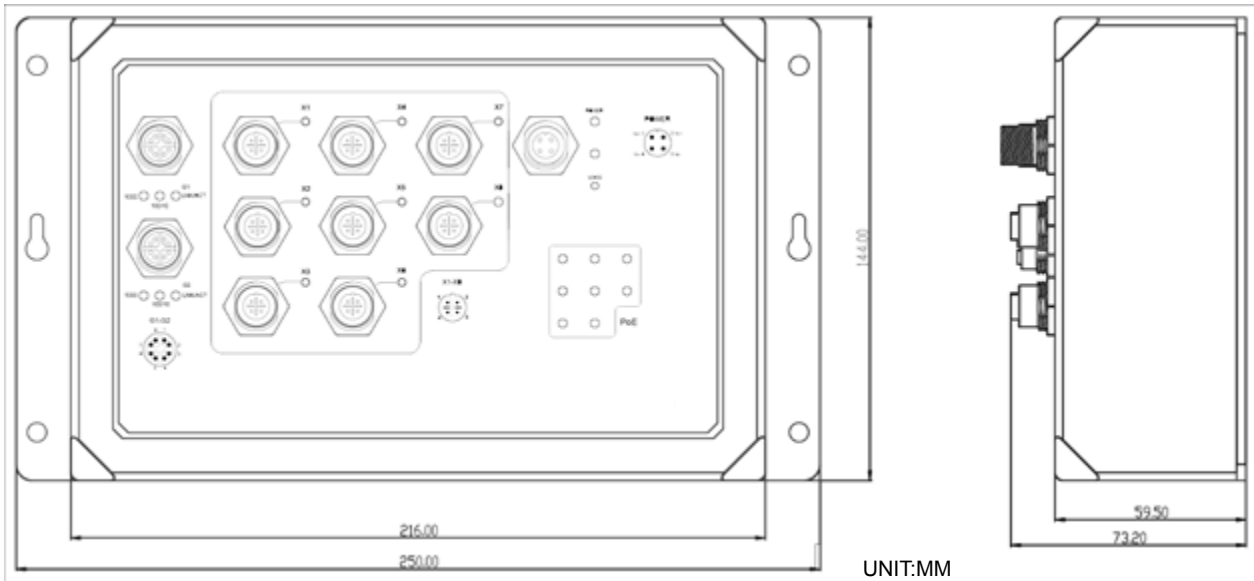
HEST10M-8E-2G series switches are designed for communications between machines/devices inside trains. This line of switches are equipped with intelligent PoE/PoE+ power supply capability, thus provide the flexibility of adding machines/devices without having to worry about power sources the switches are installed. 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 requirements for critical applications such as train traction and/or braking command requirements through these reliable devices.

Support up to 8 10/100BaseT(X) M12 Ethernet ports and 2 Gigabit M12 Copper ports, Dual-powered input (43-160VDC), this line of switches provide a full set of network data management functions such as redundancy recovery, VLAN, QoS, IGMP, Trunking, SNMP, etc., in addition to the hardened M12 connector and IP67 enclosure protection. These devices have an average MTBF of 438,000 hours. They all can be wall-mounted.

Specifications

Connector		Certifications	
M12 Connector:	Auto-10/100/1000M, Full/Half Duplex, Auto-MDI/MDIX	IEEE Standards:	802.3, 802.3u, 802.3ab, 802.3x, 802.1p, 802.1Q, 802.1ad
LED Indication:	Power, Port Status, 10/100/1000M, POE+	Processing Type:	Store and Forward
Power		MAC Address:	8K
Voltage:	43~160VDC	Management:	Web Browser
Power Connector:	M12 Connector	RingOn™:	Recovery time<15ms
Mechanics		Flow Control:	IEEE802.3x Flow Control, Back Pressure Control
Enclosure:	IP67, High Strength Aluminium		
Installation:	Wall-mounted		
Dimension:	L*W*H: 216*59.5*144(Unit: mm)		
Weight:	2600g		
Environment Limits			
Industrial Wide Temperature:	-40°C~75°C		
Storage Temperature:	-40°C~85°C		
Relative Humidity:	5~95%RH		
Certifications			
Rail Traffic	EN 50155, EN 50121-4, 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 EN 61000-4-11, Level 3 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		
Warranty			
Warranty Period:	5 Years		

DIMENSION DRAWING



Ordering Information

HEST10M-8E-2G-VLW	Industrial Ethernet 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, 43~160VDC, Dual Power Input. IP67 protection
HEST10-8E-2G-VLW	Industrial Ethernet Unmanaged Switch, 8 10/100BaseT(X) POE/POE+ M12 ports, 2 10/100/1000M BaseT(X) M12 ports , -40°C to 75°C operating temperature, 43~160VDC, Dual Power Input. IP67 protection
HEST6M-4E-2G-VLW	Industrial Ethernet Managed Switch, 4 10/100BaseT(X) POE/POE+ M12 ports, 2 10/100/1000M BaseT(X) M12 ports , -40°C to 75°C operating temperature, 43~160VDC, Dual Power Input. IP67 protection
HEST6-4E-2G-VLW	Industrial Ethernet Unmanaged Switch, 4 10/100BaseT(X) POE/POE+ M12 ports, 2 10/100/1000M BaseT(X) M12 ports , -40°C to 75°C operating temperature, 43~160VDC, Dual Power Input. IP67 protection