

HEST10M-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 Compliant for Train Communications
- Full Layer 2 Management Functions
- Hardened Design for Stronge Electromagnetic Interference
- Operating Temperature: -40°C to +75°C
- Enclosure Protection: IP67
- Power Supply: 43-160VDC
- Support Bypass Function to Allow Continuous Communication throughout the Train
- Patent-pending Power Watch-dog: Power Never Fails



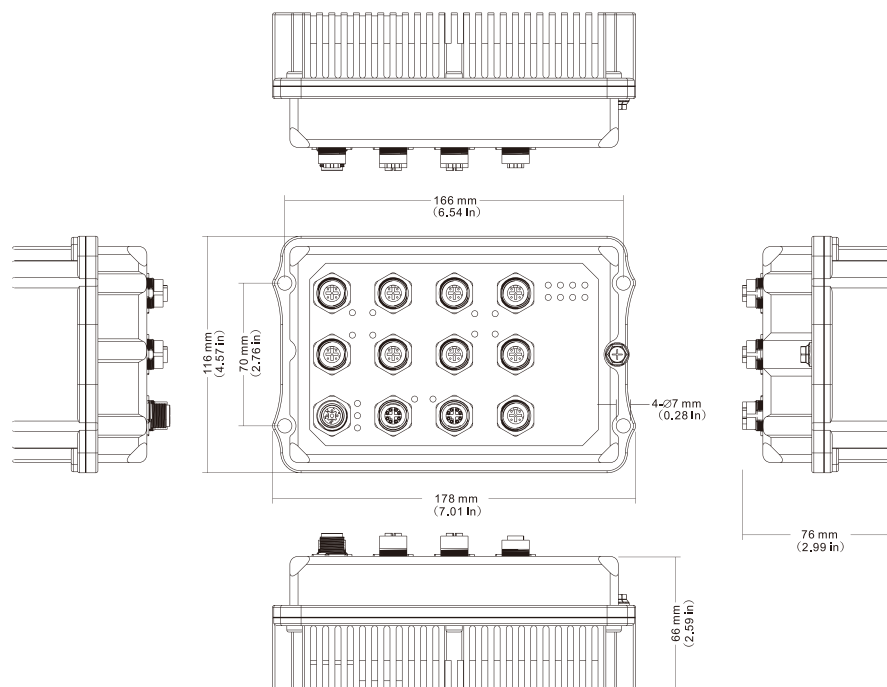
Summary

HEST10M-8E-2G-VLW switches are designed for communications between machines/devices inside trains. This line of switches is equipped with intelligent PoE/PoE+ power supply capability, thus providing 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 43- 160VDC, with each port up to 30 watts and a total of 135 watts for 8 PoE ports. The PoE/PoE+ functions can also be managed intelligently to provide more flexible and controlled power functions.

This line of switches provides 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.

Dimension Drawing



Technical Data

IEEE Standards	IEEE802.3/IEEE802.3u/IEEE802.3x/ IEEE802.3ad/IEEE802.1p/IEEE802.3ab/ IEEE802.1Q/IEEE802.1d	Storage Temperature	-40°C to +85°C
Processing Type	Store and Forward	Relative Humidity	5-95%RH
MAC Address	16k	Ingress Protection	IP67
Dimension	178 x 116 x 76 mm 7.01 x 4.57 x 2.99 inch	MTBF	483,000 hours
Weight	1.60KG	M12 Ethernet Port	8 x 10/100BaseT(X) M12 and 2 Gigabit M12 Copper ports
Rated Voltage	43-160VDC	POE/POE+	8 x 10/100BaseT
Operating Temperature	-40°C to +75°C		

Product	Voltage	Functionality	100Mbps	1000Mbps
HEST10M-8E-2G-VHW	43-160VDC	Layer 2	8	2
(Other models are available upon request)				

Type	Approval/Compliance
Rail Traffic	EN50155, EN50121-3-2, EN50121-4
EMI	FCC Part 15 Subpart B Class A EN 55022 Class A FCC Part15 CISPR(EN55022) Class A
EMC	IEC61000-4-2/EN61000-4-2 (ESD) IEC61000-4-3/EN61000-4-3 (RS) IEC61000-4-4/EN61000-4-4 (EFT) IEC61000-4-5/EN61000-4-5 (Surge) IEC61000-4-6/EN61000-4-6 (CS) IEC61000-4-8/EN61000-4-8 (PMS) IEC61000-4-11/EN61000-4-11(DIP) IEC61000-6-4/EN61000-6-4 (RE, CE) FCC Part 15 Subpart B Class A, EN55022 Class A
Enviroment	IEC60068-2-1/EN60068-2-1 IEC60068-2-2/EN60068-2-2
Freefall	IEC60068-2-32/EN60068-2-32
Vibration	IEC61373/EN61373, Category 1 Class A

Warranty

Warranty	5 years
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Accessories

M12 Connector
Power Supply Connector (M12)
Custom Made Wrench
Quick Installation Guide