

Production Information

HEST10M-2G Series

EN50155 Industrial Ethernet Switch



Features

- ❖ Support 8 10/100M M12 Connectors and 2 Gigabit M12 Connectors
- ❖ EN50155, EN50121, IEC61375-3-4 Compliant for Train Communications
- ❖ Full Layer 2 Management Functions
- ❖ Ring On Redundant Rapid Recovery System < 15 ms
- ❖ Hardened Design for Stronge Electromagnetic Interference
- ❖ Fanless Cooling Design, Support -40~75 C Operating Temperature
- ❖ Enclosure Protection: IP67
- ❖ Dual Power Supplies for Power Redundancy, Voltage 24~110VDC (Type:48V/110V)



Henrich Electronics Corporation
2740 Columbus Street, Suite
300-278 Ottawa, IL 61350
Tel: 860-487-9869
Fax: 860-487-9478
www.henrich-inc.com

Introduction

HEST10M-2G-VLW series switches are designed for communications between machines/devices inside trains. This line of switches are equipped with 8 x 10/100BaseT(X) M12 Ethernet ports and 2 Gigabit M12 Copper ports, dual-powered input 24-110VDC. 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. 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.

Specifications

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|----------------------|--|------------------------------|--|
| Technology | | Power | |
| IEEE Standards: | 802.3、802.3u、802.3ab、802.3x、802.1p、802.1Q、802.1ad | Voltage: | 24~110VDC |
| Processing Type: | Store and Forward | Power Connector: | M12 Connector |
| MAC Address: | 16K | Mechanics | |
| Management: | Web Browser | Enclosure: | IP67 High Strength Aluminium |
| RingOn™: | Recovery time<15ms | Installation: | Wall-mounted |
| Flow Control: | IEEE802.3x Flow Control, Back Pressure Control | Dimension W*H*D: | 166*116*60(Unit: mm) |
| Protocols : | IGMP Snooping, GMRP, SNMPv1/v2c/v3, DHCP Client, SNTP, HTTP, HTTPS, Telnet, NTP Client | Environment Limits | |
| | <ul style="list-style-type: none"> • RingOn Redundant Ring Technology: Recovery time less than15ms • VLAN: IEEE 802.1Q Tag VLAN • Port Trunking • Built-in Web Server, remote management and configuration through browser • QoS, 802.1p/1Q and TOS/ DiffServe • IGMP Snooping | Industrial Wide Temperature: | -40°C~75°C |
| Software Functions : | <ul style="list-style-type: none"> • Static MAC Address Forwarding • SNMP V1/V2c/V3 • RSTP • LLDP • On-line Software Upgrading • Port Mirror: Supports TX, RX, and both packet • Broadcast storm control and Port-Based traffic control • IP Security: 10 IP address entries for permission to access management functions | Storage Temperature: | -40°C~85°C |
| Connector | | Relative Humidity: | 5~95%RH |
| M12 Connector: | 8 x 10/100BaseT(X) M12 Ethernet ports, 2 Gigabit M12 Copper ports | Certifications | |
| LED Indication: | Power, Status, SPD, ACT | 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 |
| | | Warranty | |
| | | Warranty Period: | 3 Years |

Ordering Information

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| HEST10M-2G-VLW | Industrial Ethernet Managed Switch, 8 10/100BaseT(X) M12 ports, 2 10/100/1000M BaseT(X) M12 ports, -40 C to 75 C operating temperature, Dual Power Input, (Type: 48VDC/110VDC). IP67 protection |
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