

ES108A Series

8-port EN50155 Industrial Ethernet Switches



- ▶ 8 fast Ethernet ports and 2 Gigabit combo ports, SFP socket
- ▶ Designed for Railway application and fully compliant with the EN50155 compliant Ethernet switch for railway applications
- ▶ Supports auto-negotiation and auto-MDI/MDI-X
- ▶ Supports store-and-forward transmission
- ▶ Supports flow control
- ▶ Warning system by relay output
- ▶ Ultra-rugged enclosure for toughest industrial usages
- ▶ M12 connectors to guarantee reliable operation against environmental disturbances
- ▶ Dual wide-range 12~48VDC power inputs on the M23 connector
- ▶ Wall mounting enabled



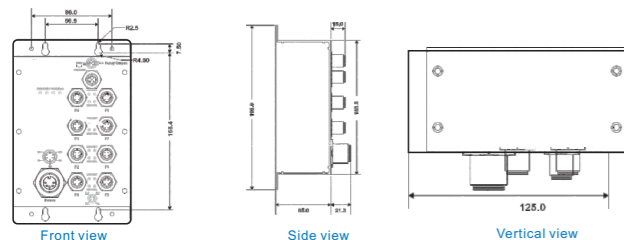
Overview:

The ES108A series Ethernet switches are designed for industrial applications, such as rolling stock, vehicle, and railway applications. It has 8x10/100BaseT(X) port which is compliant with EN50155 requirement. It is specifically designed for the toughest industrial environments.

By using M12 connectors, you can rest assured that Ethernet cables will connect tightly to the switch, and will be robust enough to protect your applications from external disturbances, such as the vibration and shock encountered in the transportation industry. In addition, the wide operating temperature range from -40°C to 85°C can satisfy most of tough operating environments.

Dimensions:

Size: (mm)



Order information:

| Model No | Description |
|-------------|----------------|
| | 10/100BaseT(X) |
| WT-ES-10008 | 8 |

Specifications:

| | |
|---------------------------------|--|
| Switch Properties | MAC Table size: 8K Packet Buffer Size: 1 Mbit Jumbo Frame Size: 9.6 KB Processing Type: Store and Forward Flow Control: IEEE 802.3x flow control, back pressure flow control |
| Interface | Rj45 ports: 10/100 Base-T(X) port in M12 D-coding Auto MDI/MDIX LED Indicators: PWR,L/A,SPD |
| Power Requirement | Input Voltage: Dual 12~48VDC Power Consumption: 5 Watts Connection: M23 connector Overload Current Protection: Present Reverse Polarity Protection: Present |
| Physical Characteristics | Housing: Aluminum, IP40 protection Dimension: 125 * 65 * 196 mm (4.9 x 2.6 x 7.7 in) Weight: 800g Installation: Field-style mounting, DIN-Rail mounting (with optional kit) |
| Environmental Limits | Operating Temperature: -40 ~ 85 °C (- 40 ~ 185 °F) Storage Temperature: -40 ~ 85 °C (- 40 ~ 185 °F) Ambient Relative Humidity: 5 ~ 95% (non-condensing) |
| Standards | EMI : FCC Part 15, CISPR (EN55022) class A, EN50155 (EN50121-3-2, EN55011, EN50121-4) EMS: EN 61000-6-2 (Industrial), EN 61000-4-2 (ESD) Level 4, EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 4, EN 61000-4-5 (Surge) Level 4, EN 61000-4-6 (CS) Level 3, EN 61000-4-8, EN61000-4-9, EN61000-4-11, IEEE 1613 Shock: IEC 60068-2-27 Freefall: IEC 60068-2-32 Vibration: IEC 60068-2-6 MTBF (mean time between failures) : 305,000 hrs IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseTX and 100BaseFX IEEE 802.3ab for 1000BaseT (X) IEEE 802.3x for Flow Control |
| Warranty | 5 years |