EKI-2525MI/SI

4+1 100FX Port Unmanaged Industrial Ethernet Switch



Features

- Provides 4 x 10/100 Mbps Ethernet ports with RJ45 connector
- Provides 1 x 100 Mbps Multi-mode SC type fiber optic port (EKI-2525MI)
- Provides 1 x 100 Mbps Multi-mode ST type fiber optic port (EKI-2525MI-ST)
- Provides 1 x 100 Mbps Single-mode SC type fiber optic port (EKI-2525SI)
- Provides 1 x 100 Mbps Single-mode ST type fiber optic port (EKI-2525SI-ST)
- Supports MDI/MDI-X auto crossover
- Provides redundant 12 ~ 48 V_{DC} power input
- Provides flexible mounting: DIN-rail and wall mount

Introduction

EKI-2525MI/2525SI are industrial-grade Ethernet switches that enable you to expand your industrial network quickly and cost-effectively. The EKI-2525MI/2525SI have four 10/100 Mbps Ethernet ports. Additionally the EKI-2525MI provides one multi-mode fiber-optic ports, while the EKI-2525SI provides one single-mode fiber-optic port. Using fiber-optics prevents noise from interfering with your system and supports high-speed (100 Mbps) and high-distance (up to 30 km) transmission.

EKI-2525MI/2525SI have industrial-grade designs, assuring high reliability and stability in harsh environments. This makes them a robust bridge between enterprise fiber-optic backbones and Ethernet devices. EKI-2525MI/2525SI includes a switch controller that can automatically sense transmission speeds. The RJ45 interface can also be autodetected, so MDI or MDI-X are automatically selected and a crossover cable is not required. All Ethernet ports have memory buffers that support the store and forward mechanism, assuring all data is transmitted properly.

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Specifications

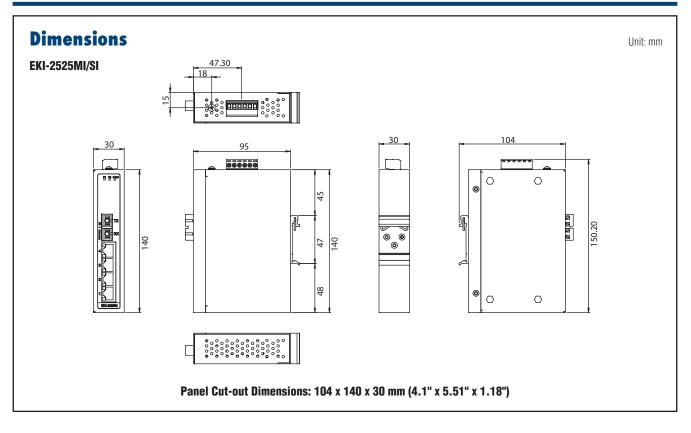
Communications

| Communications | | Mechanism | |
|---|--|---|--|
| Standard | IEEE 802.3, 802.3u, 802.3x | | 30 x 140 x 95 mm (1.18" x 5.52" x 3.74") |
| - LAN | 10/100Base-T (X), 100Base-FX | Enclosure | IP30, Metal Shell with Solid Mounting Kits |
| Transmission Distance | Ethernet: Up to 100 m | Mounting | DIN-Rail, Wall |
| | Multi-mode Fiber: Up to 2 km (EKI-2525MI) Single-mode Fiber: Up to 30 km (EKI-2525SI) | Protection | |
| Transmission Speed | Up to 100 Mbps | Reverse Polarity | Present |
| Optical Fiber | | Overload Current | Present |
| Multi-Mode | Wavelength: 1310nm | Environment | |
| (EKI-2525MI) | Tx Power: -14/-20 dBm | Operating Temperature | -40 ~ 75°C (-40 ~ 167°F) |
| | Rx Sensitivity: -31 dBm | Storage Temperature | -40 ~ 85°C (-40 ~ 185°F) |
| Single-Mode | Parameters: 50/125 um, 62.5/125 um Wavelength: 1310 nm | Operating Humidity | 10 ~ 95% (non-condensing) |
| (EKI-2525SI) | Tx Power: -8/-15 dBm | Storage Humidity | 10 ~ 95% (non-condensing) |
| | Rx Sensitivity: -34 dBm | MTBF | 382,904 hours |
| | Parameters: 9/125 um | Certification | |
| Interface | | • EMI | CE, FCC Class A |
| Connectors | 4 x RJ45 ports | EMS | EN 61000-4-2, EN 61000-4-3, EN 61000-4-4 |
| Connottoro | 1 x SC Type Fiber Connector (EKI-2525MI/SI) or | Lino | EN 61000-4-5, EN 61000-4-6, EN 61000-4-8 |
| | 1 x ST Type Fiber Connector (EKI-2525MI/SI-ST) | Shock | IEC60068-2-27 |
| | 6-pin removable screw terminal (Power & Relay) | Freefall | IEC60068-2-32 |
| LED Indicators | P1, P2, P-Fail 10/100TX: Link/Activity, Duplex/Collision | Vibration | IEC60068-2-6 |
| Power | | | |
| Power Consumption | Max. 5 W | | |
| Power Input | $12 \sim 48 V_{DC}$, Redundant Dual Inputs | | |

Fault Output

12 ~ 48 V_{DC}, Redundant Dual I 1 Relay Output

EKI-2525MI/SI



Ordering Information

- EKI-2525MI-BE EKI-2525MI-ST-BE
- 4-port Ethernet Switch w/ 1-port 100FX Multi-mode
- 4-port Ethernet Switch w/ 1-port 100FX Multi-mode
- EKI-2525SI-AE
- EKI-2525SI-ST-AE
- (ST type connector)
- 4-port Ethernet Switch w/ 1-port 100FX Single-mode 4-port Ethernet Switch w/ 1-port 100FX Single-mode
- (ST type connector)