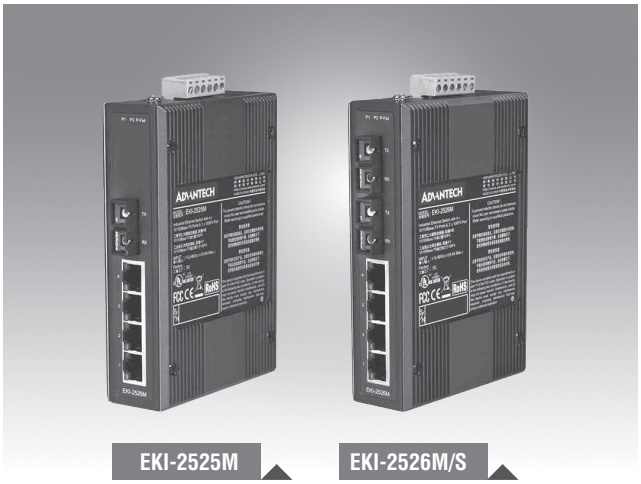
EKI-2525M
EKI-2526M/S

4+1 100FX Port Multi-Mode/Single Mode Unmanaged Industrial Ethernet Switch
4+2 100FX Port Unmanaged Industrial Ethernet Switch



Features

- 4 x 10/100 Mbps Ethernet ports with RJ45 connector
- 1 x 100 Mbps multi-mode SC-type fiber optic port (EKI-2525M)
- 1 x 100 Mbps multi-mode ST-type fiber optic port (EKI-2525M-ST)
- 1 x 100 Mbps single-mode SC-type fiber optic port (EKI-2525S)
- Supports full/half-duplex flow control
- Supports MDI/MDI-X auto crossover
- Redundant 12 ~ 48 V_{DC} power input
- Flexible mounting options: DIN-rail and wall mount

Introduction

The EKI-2525M/2525S are industrial-grade Ethernet switches that enable you to quickly and cost-effectively expand your industrial network. The EKI-2525M/2525S have four 10/100 Mbps Ethernet ports, with the EKI-2525M providing one multi-mode fiber-optic port and the EKI-2525S providing one single-mode fiber-optic port. Using fiber optics, you can prevent noise interference while leveraging high-speed transmission (100 Mbps) over long distances (up to 30 km).

The EKI-2525M/2525S have industrial-grade designs, assuring high reliability and stability in harsh environments, making it a robust bridge between enterprise fiber-optic backbones and Ethernet devices. The EKI-2525M/2525S include a switch controller that can automatically sense transmission speeds. The RJ45 interface can also be auto-detected; thus, MDI or MDI-X will be automatically selected and a crossover cable will not be required. All Ethernet ports have memory buffers with store and forward, assuring all data are transmitted properly.

Specifications

Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x
- **LAN** 10/100BASE-TX, 100BASE-FX
- **Transmission Distance** Ethernet: Up to 100 m
  Multi-mode Fiber: Up to 2 km (EKI-2525M/2526M)
  Single-mode Fiber: Up to 30 km (EKI-2526S)
- **Transmission Speed** Up to 100 Mbps

Optical Fiber

- **Multi-Mode** (EKI-2525M/EKI-2526M) Wavelength: 1310nm
  Tx Power: -14/-20 dBm
  Rx Sensitivity: -31 dBm
  Parameters: 50/125 um, 62.5/125 um
- **Single-Mode** (EKI-2526S) Wavelength: 1310 nm
  Tx Power: -8/-15 dBm
  Rx Sensitivity: -34 dBm
  Parameters: 9/125 um

Interface

- **Connectors** 4 x RJ45 ports
  1 x SC type fiber connector (EKI-2525M) or
  2 x SC type fiber connector (EKI-2526M/S)
  6-pin removable screw terminal (Power & Relay)
- **LED Indicators** P1, P2, P-Fail
  10/100TX: Link/Activity, Duplex/Collision

Power

- **Power Consumption** EKI-2525M: Max. 5 W
  EKI-2526M: Max. 6.41 W
  EKI-2526S: Max. 6.45 W
- **Power Input** 12 ~ 48 V_{DC}, redundant dual inputs
- **Fault Output** 1 Relay Output

Mechanism

- **Dimensions (W x H x D)** 37 x 140 x 95 mm (1.46" x 5.51" x 3.74")
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

Protection

- **Reverse Polarity** Present
- **Overload Current** Present

Environment

- **Operating Temperature** -10 ~ 60°C (14 ~ 140°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF** EKI-2525M: 382,904 hours
  EKI-2526M/2526S: 359,411 hours

Certification

- **Safety** EKI-2526M/S-ST: UL/cUL 60950
  EKI-2525M/EKI-2526M/S: UL/cUL 60950 Class I, Division 2, Groups A, B, C and D
- **EMI** FCC Part 15 Subpart B Class A, EN 55022 Class A
- **EMs** EN 61000-4-2, EN 61000-4-3, EN 61000-4-4
  EN 61000-4-5, EN 61000-4-6, EN 61000-4-8
- **Shock** IEC60068-2-27
- **Freefall** IEC60068-2-32
- **Vibration** IEC60068-2-6

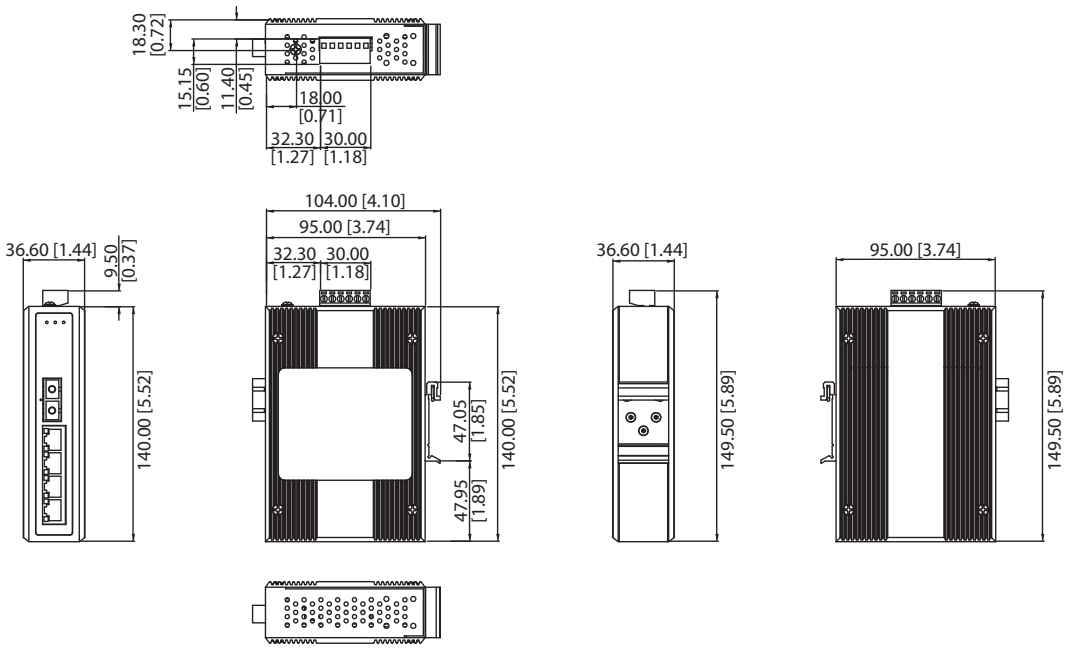
All product specifications are subject to change without notice.
Last updated: 27-Jun-2018

PLUG-IN Electronic GmbH • Am Sonnenlicht 5 • 82239 Alling • Tel.: +49 (0) 8141 3697-0 • info@plug-in.de • www.plug-in.de

Dimensions

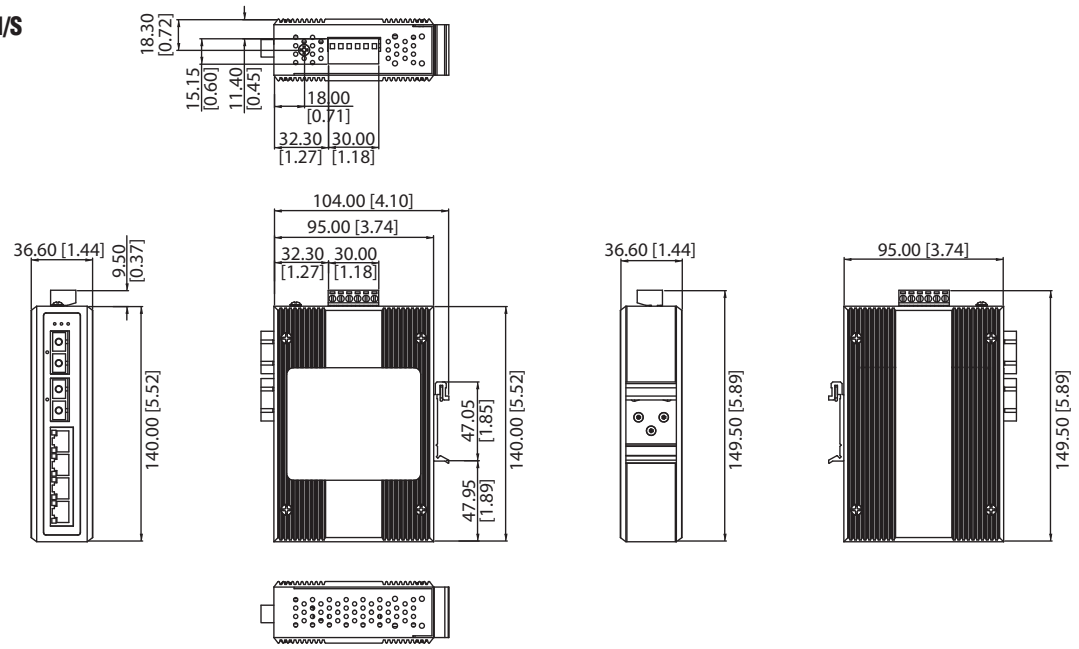
Unit: mm [inch]

EKI-2525M



Panel Cut-out Dimensions: 104 x 140 x 36.6 mm (4.1" x 5.52" x 1.44")

EKI-2526M/S



Panel Cut-out Dimensions: 104 x 140 x 36.6 mm (4.1" x 5.52" x 1.44")

Ordering Information

- **EKI-2525M-AE** 4-port Ethernet Switch w/ 1-port 100FX Multi-mode
- **EKI-2526M-AE** 4-port Ethernet Switch w/ 2-port 100FX Multi-mode
- **EKI-2526S-AE** 4-port Ethernet Switch w/ 2-port 100FX Single-mode
- **EKI-2526S-ST-AE** 4-port Ethernet Switch w/ 2-port 100FX Single-mode (ST type connector)
- **EKI-2526M-ST-AE** 4-port Ethernet Switch w/ 2-port 100FX Multi-mode (ST type connector)