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

EKI-2525M   EKI-2526M/S

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-2525M)
- Provides 2 x 100 Mbps Multi-mode SC type fiber optic port (EKI-2526M)
- Provides 2 x 100 Mbps Single-mode SC type fiber optic port (EKI-2526S)
- Supports full/half duplex flow control
- Supports MDI/MDI-X auto crossover
- Provides broadcast storm protection
- Provides redundant 12 ~ 48 V_{DC} power input
- Provides flexible mounting: DIN-rail and Wall mount

Introduction

EKI-2525M/2526M/2526S are industrial-grade Ethernet switches that enable you to expand your industrial network fast and cost-effectively. The EKI-2525M/2526M/2526S have four 10/100 Mbps Ethernet ports, and additionally the EKI-2525M/2526M provides one or two multi-mode fiber-optic ports, while the 2526S provide one or two single-mode single-mode fiber-optic ports. Using fiber-optics, you can prevent noise from interfering with your system and supports high-speed (100 Mbps) and high-distance (up to 30 km) transmissions.

EKI-2525M/2526M/2526S 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. EKI-2525M/2526M/2526S includes a switch controller that can automatically sense transmission speeds. The RJ45 interface can also be autodetected, so MDI or MDI-X is automatically selected and a crossover cable is not required. All the Ethernet ports have memory buffers that support the store and forward mechanism, assuring all data is transmitted properly.

Specifications

Communications

Standard	IEEE 802.3, 802.3u, 802.3x
LAN	10/100Base-T (X), 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	Wavelength:1310nm
Multi-Mode	
(EKI-2525M/EKI-2526M)	Tx Power: -14/-20 dBm
	Rx Sensitivity: -31 dBm
	Parameters: 50/125 um, 62.5/125 um
Single-Mode	Wavelength: 1310 nm
(EKI-2526S)	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

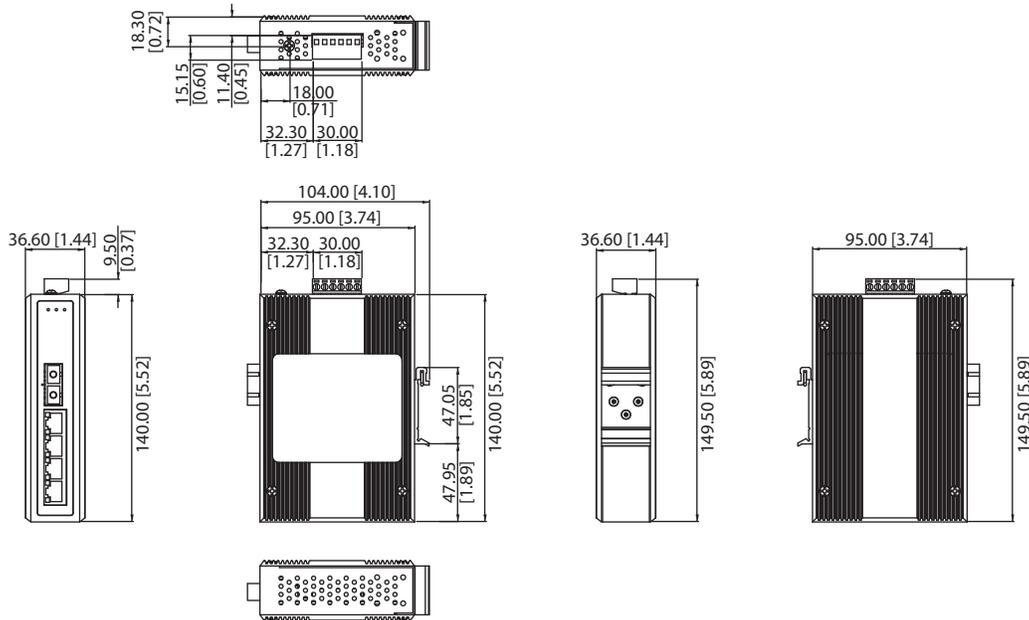|	
Operating Temperature	EKI-2525M/2526M/2526S: -10~60°C (14~140°F
Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	5 ~ 95% (non-condensing)
Storage Humidity	0 ~ 95% (non-condensing)
MTBF	610,453 hours

Certification

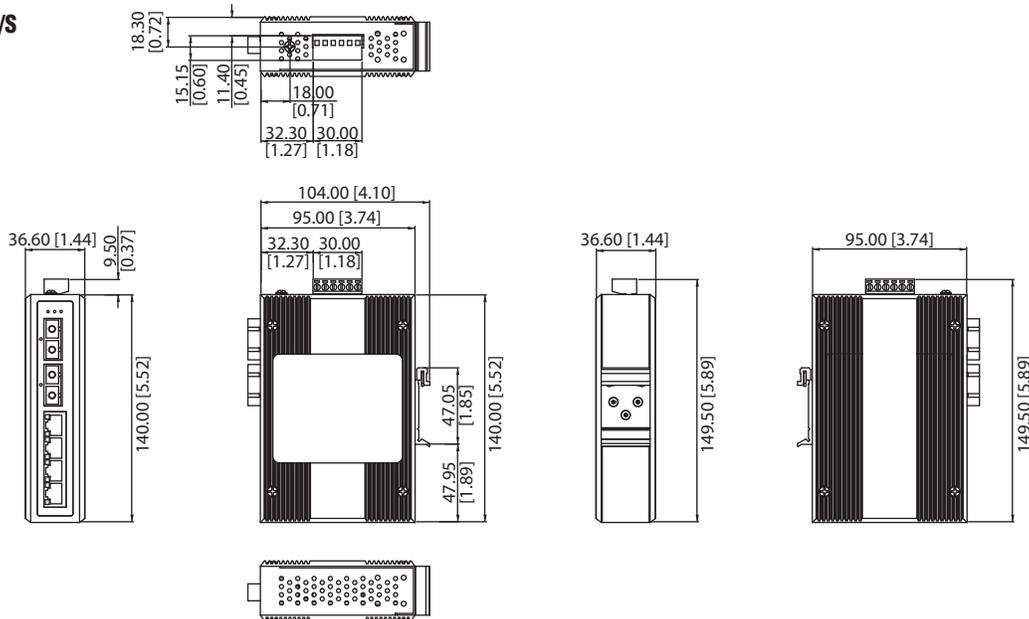|	
Safety	UL 60950-1, CAN/CSA-C22.2 No.60950, Class I, Division 2
EMI	FCC Part 15 Subpart B Class A, EN 55022 Class A
EMs	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4
	EN 61000-4-5, EN 61000-4-6, EN 61000-4-8
Shock	IEC60068-2-27
Freefall	IEC60068-2-32
Vibration	IEC60068-2-6

Dimensions

Unit: [mm]

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

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