

# 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<sub>DC</sub> 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

<b>Standard LAN</b>	IEEE 802.3, 802.3u, 802.3x 10/100Base-T (X), 100Base-FX
<b>Transmission Distance</b>	Ethernet: Up to 100 m Multi-mode Fiber: Up to 2 km (EKI-2525M/2526M) Single-mode Fiber: Up to 30 km (EKI-2526S)
<b>Transmission Speed</b>	Up to 100 Mbps
<b>Optical Fiber</b>	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 (EKI-2526S)	Wavelength: 1310 nm Tx Power: -8/-15 dBm Rx Sensitivity: -34 dBm Parameters: 9/125 um

### Interface

<b>Connectors</b>	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)
<b>LED Indicators</b>	P1, P2, P-Fail 10/100TX: Link/Activity, Duplex/Collision

### Power

<b>Power Consumption</b>	EKI-2525M: Max. 5 W EKI-2526M: Max. 6.41 W EKI-2526S: Max. 6.45 W
<b>Power Input</b>	12 ~ 48 V <sub>DC</sub> , redundant dual inputs
<b>Fault Output</b>	1 Relay Output

### Mechanism

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

### Protection

<b>Reverse Polarity</b>	Present
<b>Overload Current</b>	Present

### Environment

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

### Certification

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

