# EKI-2525M EKI-2526M/S

## 4+1 100FX Port Multi-Mode Unmanaged Industrial Ethernet Switch

## 4+2 100FX Port Unmanaged Industrial Ethernet Switch





#### **Features**

- Provides 4 x 10/100 Mbps Ethernet ports with RJ-45 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, panel mounting

### 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 EKI-2525S provides two 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 RJ-45 interface can also be auto-detected, 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/-20dBm Rx Sensitivity: -31dBm

Parameters: 50/125um, 62.5/125um

Single-Mode (EKI-2526S) Wavelength: 1310nm Tx Power: -8/-15dBm

Tx Power: -8/-15dBm Rx Sensitivity: -34dBm Parameters: 9/125um

#### Interface

**Connectors** 4 x RJ-45 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

10/100T(X): 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<sub>DC</sub>, redundant dual inputs

• Fault Output 1 Relay Output

#### **Mechanism**

Dimensions (W x H x D) 37 x 140 x 95 mm

Enclosure IP30, Metal shell with solid mounting kits

Mounting DIN-rail, Wall

#### **Protection**

Reverse Polarity Present

Overload
EKI-2525M: 0.9 A @ 12 V<sub>DC</sub> (Re-settable Fuse)
EKI-2526M/S: 1.6 A @ 12 V<sub>DC</sub> (Re-settable Fuse)

#### **Environment**

Operating Temperature
Storage Temperature
Operating Humidity
Storage Humidity
Storage Humidity
Operating Humidity
Operating Humidity
Operating Humidity
Operating Humidity
Operating Humidity
Operating Humidity

■ **MTBF** 610,453 hrs

#### **Certifications**

• **Safety** UL 60950-1, CAN/CSA-C22.2 No.60950

**EMC** U.S.A.: FCC Part 15 CISPR 22

EU: EN55011, EN61000-6-4, EN55022 Class A,

EN61000-3-2/3, EN55024

IEC61000-4-2/3/4/5/6/8, EN61000-6-2/4

Shock
Freefall
Vibration
IEC60068-2-32
IEC60068-2-6

### **Ordering Information**

EKI-2525M
EKI-2526M
EKI-2526M
EKI-2526S
EVI-2526S
EVI-2526S