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



## Features

- Provides $4 \times 10 / 100$ Mbps Ethernet ports with RJ-45 connector
- Provides $1 \times 100$ Mbps Multi-mode SC type fiber optic port (EKI-2525M)
- Provides $2 \times 100$ Mbps Multi-mode SC type fiber optic port (EKI-2526M)
- Provides $2 \times 100$ 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 $12 \sim 48$ Voc 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-2526S 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 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
- LAN
- Transmission Distance

10/100Base-T(X), 100Base-FX
Multi-mode Fiber: Up to 2 km (EKI-2525M/2526M)
Single-mode Fiber: Up to 30 km (EKI-2526S)

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


## Interface

- Connectors
- LED Indicators


## Power

- Power Consumption

EKI-2525M: Max. 5 W
EKI-2526M: Max. 6.41 W
EKI-2526S: Max. 6.45 W

- Power Input
- Fault Output
$4 \times$ RJ-45 ports
$1 \times$ SC type fiber connector (EKI-2525M) or
$2 \times$ SC type fiber connector (EKI-2526M/S)
6 -pin removable screw terminal (Power \& Relay)
P1, P2, P-Fail
10/100T(X): Link/Activity, Duplex/Collision
$12 \sim 48 \mathrm{~V}_{\mathrm{oc}}$, redundant dual inputs
1 Relay Output


## Mechanism

- Dimensions (W x H x D) $37 \times 140 \times 95 \mathrm{~mm}$
- Enclosure IP30, Metal shell with solid mounting kits
- Mounting DIN-rail, Wall

Protection

- Reverse Polarity Present
- Overload

EKI-2525M: 0.9 A @ 12 Voc (Re-settable Fuse) EKI-2526M/S: 1.6 A @ 12 Voc (Re-settable Fuse)

## Environment

- Operating Temperature $-10 \sim 60^{\circ} \mathrm{C}\left(14 \sim 140^{\circ} \mathrm{F}\right)$
- Storage Temperature $-40 \sim 85^{\circ} \mathrm{C}\left(-40 \sim 185^{\circ} \mathrm{F}\right)$
- Operating Humidity $5 \sim 95 \%$ (non-condensing)
- Storage Humidity $0 \sim 95 \%$ (non-condensing)
- MTBF

610,453 hrs

## Certifications

- Safety

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

- EMC
- Shock
- Freefall
- Vibration
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
IEC60068-2-27
IEC60068-2-32
IEC60068-2-6

## Ordering Information

- EKI-2525M
- EKI-2526M

5-port Ethernet Switch w/ 1-port 100FX MM 6-port Ethernet Switch w/ 2-port 100FX MM

- EKI-2526S 6 -port Ethernet Switch w/ 2-port 100FX SM

