

# EKI-7526I

# EKI-7526MI

**16-port Unmanaged Industrial Ethernet Switch with Wide Temperature**

**16+2 SC Type Fiber Optic Unmanaged Industrial Ethernet Switch with Wide Temperature**



## Features

- Provides 16 10/100Mbps Ethernet ports with RJ-45 connector
- Provides SC type fiber optic ports plus 16 Fast Ethernet ports
- Supports Auto Negotiation and Auto MDI/MDI-X
- Provides flexible mounting: DIN-rail, Wall Mounting
- Supports Dual 12 ~ 48 V<sub>DC</sub> power input and 1 relay output
- Supports wide operating temperature (-40~75° C)

## Introduction

EKI-7526I and EKI-7526MI are cost effective managed industrial Ethernet switches which support 16 x 10/100Base-TX fast Ethernet ports. Traditional fiber optic ports can be used for up-linking and long distance transmissions to flexibly fit the field requests (EKI-7526MI Only). The long MTBF (Mean Time Between Failures) ensures low operation and maintenance costs. All Ethernet ports have memory buffers that support the store-and-forward mechanism, which assures that data can be transmitted properly. Both EKI-7526MI and EKI-7526I support advanced network standards to optimize network performance, reduce maintenance costs, and secure network safety..

## Specifications

### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x
- **LAN** 10/100Base-T(X), Optional 100Base-FX
- **Transmission Distance** Ethernet: Up to 100 m (4- wire Cat.5e Multi-mode Fiber: Up to 2km)
- **Transmission Speed** Ethernet:10/100Mbps Auto-Negotiation

### Interface

- **Connectors** 16 x RJ-45 (Ethernet), EKI-7526I  
16 x RJ-45 (Ethernet) with 2 x SC type fiber optic, (EKI-7526MI)  
6-pin removable screw terminal (Power & Relay)
- **LED Indicators** System: PWR1, PWR2, P-Fail  
10/100T(X): Link/Activity, Duplex/Collision

### Power

- **Power Consumption** Max. 8.9W
- **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual inputs
- **Fault Output** 1 Relay Output
- **Inrush Current** 200%@ 24V<sub>DC</sub>

### Mechanism

- **Dimensions (W x H x D)** 79 x 152 x 105 mm
- **Enclosure** IP30, Metal shell with solid mounting kits
- **Mounting** DIN-rail, Wall

### Protection

- **Reverse Polarity** Present

### Environment

- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **MTBF** 237,130 hrs

### Certifications

- **Safety** UL 508
- **EMC** U.S.A.: FCC Part 15 CISPR 22  
EU: EN55011, EN61000-6-4, EN55022 Class A, EN55024, IEC61000-4-2/3/4/5/6/8/11/12, EN61000-6-2
- **Shock** IEC60068-2-27
- **Freefall** IEC60068-2-32
- **Vibration** IEC60068-2-6

## Ordering Information

- **EKI-7526I** 16-port Ethernet Switch w/ Wide Temp.
- **EKI-7526MI** 16+2MM Fiber Optic Ethernet Switch w/ Wide Temp