

# EKI-2728M/MI EKI-2728S/SI

**6G+2G Multi-Mode SC Fiber Port  
Unmanaged Ethernet Switch**

**6G+2G Single-Mode SC Fiber Port  
Unmanaged Ethernet Switch**



## Features

- ③ Provides 6 x 10/100/1000 Mbps Ethernet port with RJ45 connector
- ③ Provides 2x 1000 Mbps fiberport with SC type connector for 1000Base-SX/LX device
- ③ Supports MDI/MDI-X auto crossover
- ③ Supports Auto-Negotiation
- ③ Supports redundant 12 ~ 48 V<sub>DC</sub> and 24V<sub>AC</sub> power input
- ③ Provides flexible mounting: DIN-rail and Wall mount
- ③ Provides Link Fault Pass-through (LFP)
- ③ Jumbo Frame: 9216 bytes

## Introduction

EKI-2728M/2728S are cost effective unmanaged industrial Ethernet switch which supports Giga Ethernet. It supports Green Power requirement, furthermore, EKI-2728M/2728S also supports advanced network standards to optimize network performance, reduce maintenance cost, and secure network safety.

## Specifications

### Communications

- ③ **Standard** IEEE 802.3, 802.3u, 802.3ab, 802.3x, IEEE 802.3z
- ③ **LAN** 10/100/1000Base-T (X), 1000Base-SX or 1000Base-LX
- ③ **Transmission Distance** Ethernet: Up to 100 m
- ③ **Fiber:** Multi-mode: Up to 550m (EKI-2728M/MI)  
Single-mode: Up to 10 km (EKI-2728S/SI)
- ③ **Transmission Speed** Up to 1000 Mbps

### Optical Fiber

- ③ **Multi-mode (EKI-2728M/MI)** Wavelength: 850 nm  
Tx Power: -4/-9.5 dBm  
Rx Sensitivity: -18 dBm  
Parameters: 50/125 um, 62.5/125 um
- ③ **Single-mode (EKI-2728S/SI)** Wavelength: 1310 nm  
Tx Power: -3/-9.5 dBm  
Rx Sensitivity: -20 dBm  
Parameters: 9/125 um

### Interface

- ③ **Connectors** 6 x RJ45  
2 x SC type fiber connector  
6-pin removable screw terminal (power & relay)
- ③ **LED Indicators** P1, P2,  
P-Fail Fiber:  
LNK/ACT  
Ethernet: 1000M, LNK/ACT

### Power

- ③ **Power Consumption** 7W
- ③ **Power Input** 12 ~ 48 V<sub>DC</sub>, 24 V<sub>AC</sub> (18 ~ 30 V<sub>AC</sub>),  
redundant dual inputs

### Mechanism

- ③ **Dimensions (W x H x D)** 59.6 x 152 x 105 mm (2.35" x 5.98" x 4.13")
- ③ **Enclosure** IP30, Metal shell with solid mounting kits
- ③ **Mounting** DIN-rail, Wall

### Protection

- ③ **Power Reverse** Present
- ③ **Overload current** Present

### Environment

- ③ **Operating Temperature** -10 ~ 60°C (14 ~ 140°F)  
Wide Temp Model -40 ~ 75°C (-40 ~ 167°F) / (I model)
- ③ **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- ③ **Operating Humidity** 10 ~ 95% (non-condensing)
- ③ **Storage Humidity** 10 ~ 95% (non-condensing)
- ③ **MTBF** TBD

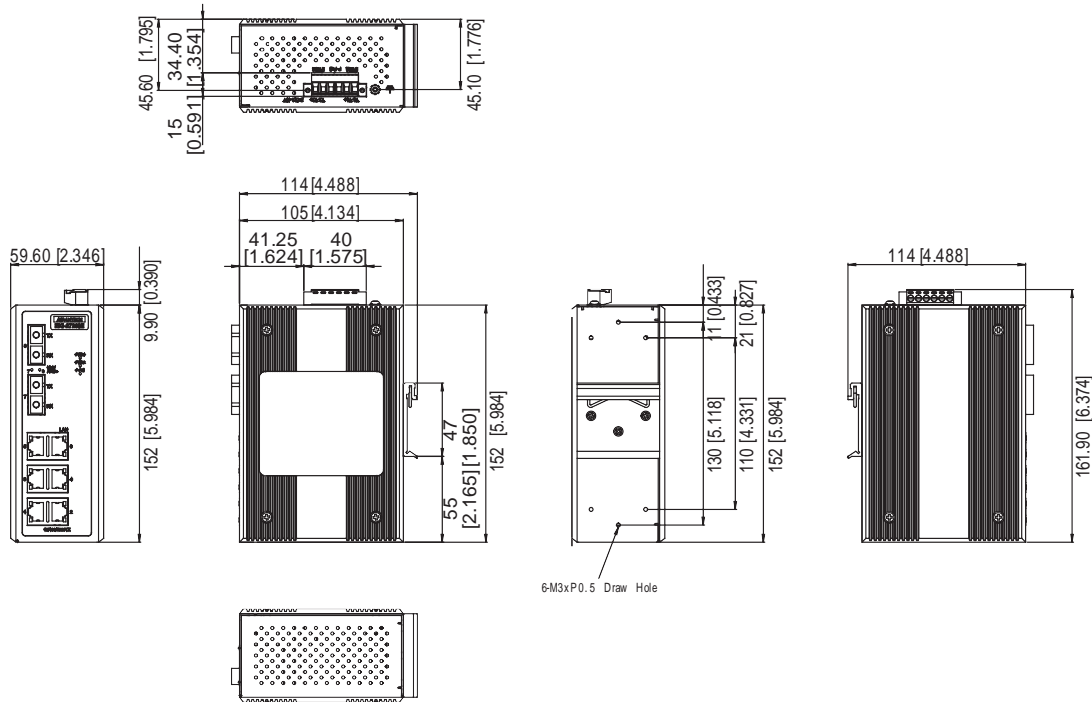
### Certification

- ③ **EMI CE, FCC Class A**
- ③ **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
- ③ **Shock** IEC 60068-2-27
- ③ **Freefall** IEC 60068-2-32
- ③ **Vibration** IEC 60068-2-6



## Dimensions

Unit: mm [inch]



Panel Cut-out Dimensions: 59.6 x 152 x 105 mm (2.35" x 5.98" x 4.13")

## Ordering Information

- ③ **EKI-2728M-BE** 6G+2G Multi-mode SC Fiber Unmanaged Ethernet Switch
- ③ **EKI-2728MI-BE** 6G+2G Multi-mode SC Fiber Unmanaged Ethernet Switch w/ Wide Temp
- ③ **EKI-2728S-AE** 6G+2G Single-mode SC Fiber Unmanaged Ethernet Switch
- ③ **EKI-2728SI-AE** 6G+2G Single-mode SC Fiber Unmanaged Ethernet Switch w/ Wide Temp