

# 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

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

- **Standard** IEEE 802.3, 802.3u, 802.3ab, 802.3x, IEEE 802.3z
- **LAN** 10/100/1000Base-T (X), 1000Base-SX or 1000Base-LX
- **Transmission Distance** Ethernet: Up to 100 m  
Fiber:  
Multi-mode: Up to 550 m (EKI-2728M/MI)  
Single-mode: Up to 10 km (EKI-2728S/SI)
- **Transmission Speed** Up to 1000 Mbps
- **Optical Fiber**
  - 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
  - Single-mode (EKI-2728S/SI)
    - Wavelength: 1310 nm
    - Tx Power: -3/-9.5 dBm
    - Rx Sensitivity: -20 dBm
    - Parameters: 9/125 um

#### Interface

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

#### Power

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

#### Mechanism

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

#### Protection

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

#### Environment

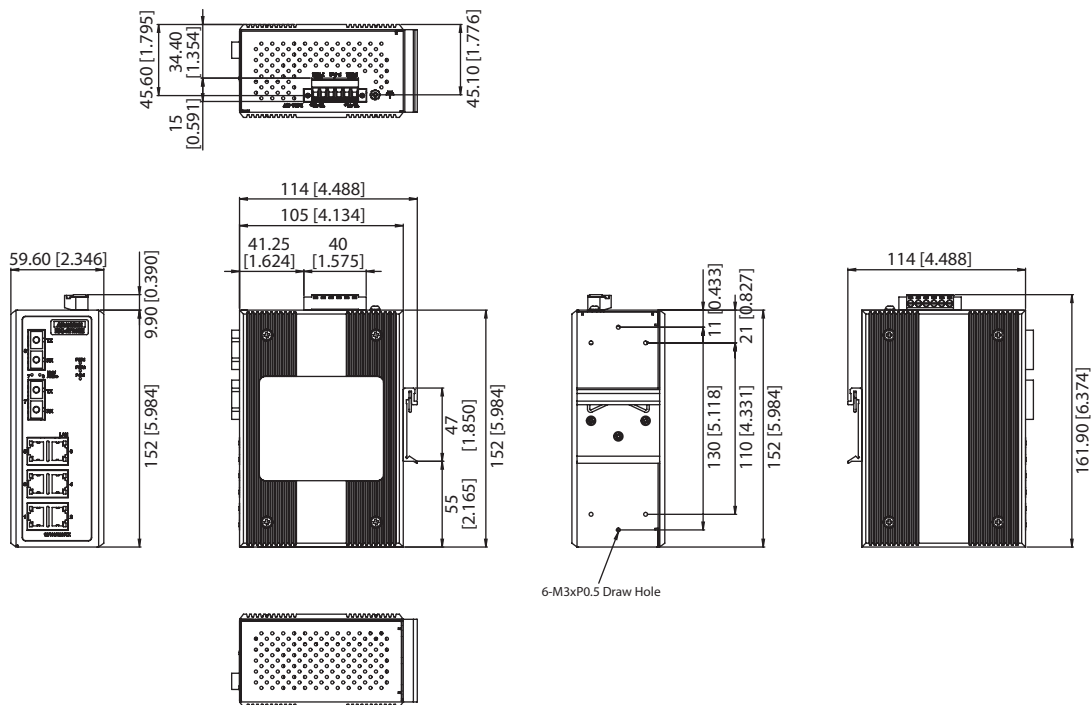
- **Operating Temperature** -10 ~ 60°C (14 ~ 140°F)  
Wide Temp Model  
-40 ~ 75°C (-40 ~ 167°F) / (I model)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)
- **MTBF** TBD

#### Certification

- **EMI** CE, FCC Class A
- **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  
EN 61000-4-8
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **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

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