

# EKI-2720G-4F

# EKI-2720G-4FI

## 16GE+4SFP Port Gigabit Unmanaged Industrial Switch



### Features

- 16 x Gigabit Ethernet ports + 4 x SFP ports
- SFP socket for easy and flexible fiber expansion
- NEMA TS2 for traffic control
- EN50121-4 approval for railway trackside deployment
- Wide operating temperature range of -40 ~ 75°C (EKI-2720G-4FI)
- Dual 12 ~ 48 V<sub>DC</sub> power input and 1 x relay output

### Introduction

The EKI-2720G-4F and EKI-2720G-4FI provide users with abundant port options to connect to a range of different device types with 16 Gigabit Ethernet ports and 4 SFP (mini-GBIC) ports. The EKI-2720 series features a wide operating temperature and NEMA TS2 rating, making the switch an ideal solution for use in traffic applications and have successfully passed the EN50121-4 European railway standard requirements of emission and immunity for railway platforms and trackside deployment

### Specifications

#### Interface

- **I/O Port** 16 x 10/100/1000BASE-T/TX RJ-45  
4 x SFP (mini-GBIC) port
- **Debug Port** RS-232 (RJ45)
- **Power Connector** 6-pin screw Terminal Block (including relay)

#### Physical

- **Enclosure** Metal Shell
- **Protection Class** IP 30
- **Installation** DIN-Rail
- **Dimensions (W x H x D)** 74 x 152 x 105 mm (2.91" x 5.98" x 4.13")

#### LED Display

- **System LED** PWR1, PWR2, SYS, Alarm
- **Port LED** Link / Speed / Activity

#### Environment

- **Operating Temperature** -40 ~ 75°C (-40 ~ 167°F) (2720G-4FI)  
-10 ~ 60°C (14 ~ 140°F) (2720G-4F)
- **Storage Temperature** -40 ~ 85°C
- **Ambient Relative Humidity** 10 ~ 95% (non-condensing)
- **Humidity** 10 ~ 95% (non-condensing)

#### Power

- **Power Consumption** 15W
- **Power Input** 12 ~ 48 V<sub>DC</sub>, redundant dual power input
- **Fault Output** 1 Relay Output

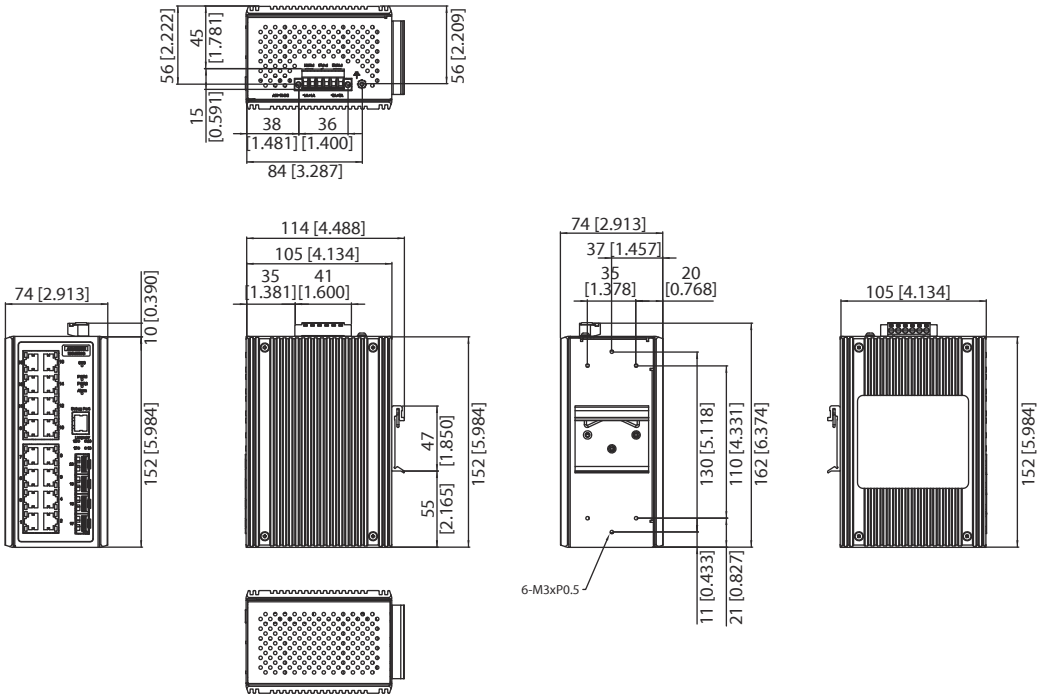
#### Certification

- **EMI** CE, FCC Class A
- **Safety** UL61010-2-201  
IEC60950\*
- **EMC** EN 61000-4-2  
EN 61000-4-3  
EN 61000-4-4  
EN 61000-4-5  
EN 61000-4-6  
EN 61000-4-8  
EN50121-4
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6
- **Traffic control** NEMA TS2

\*= Compliant

**Dimensions**

Unit: mm [inch]



**Panel Cut-out Dimensions: 74 x 152 x 105 mm (2.91" x 5.99" x 4.14")**

**Ordering Information**

- EKI-2720G-4FI-AE      16GE + 4SFP Port Unmanaged Ethernet Switch w/Wide Temp
- EKI-2720G-4F-AE      16GE + 4SFP Port Unmanaged Ethernet Switch