

# EKI-9508G-PH

# EKI-9508G-PL

**EN50155 8-Port M12 PoE Unmanaged Ethernet Switch 72/96/110 V<sub>DC</sub>**

**EN50155 8-Port M12 PoE Unmanaged Ethernet Switch 24/48 V<sub>DC</sub>**



CE FCC

## Features

- Complies with EN50155
- 8 port M12 X-coded 10/100/1000Mbps PoE ports
- Power input
  - EKI-9508G-PH: 72/96/110 V<sub>DC</sub>
  - EKI-9508G-PL: 24/48 V<sub>DC</sub>
- Operating Voltage
  - EKI-9508G-PH: 50.4~137.5 V<sub>DC</sub>
  - EKI-9508G-PL: 16.8~60 V<sub>DC</sub>
- IEEE802.3at PoE+ to supply 30 W of power
- IEEE802.3af PoE to supply 15.4 W of power
- M12 connector with IP40 protection
- Operating temperature range -40 ~ 70°C

## Introduction

The EKI-9500 series switch is designed for railway application with rugged and high EMC performance, being suitable for networking solution for rolling stock and wayside applications. The EKI-9500 series provides M12 connectors for Ethernet/ console/ relay/ power-input connections to ensure tight & robust connectivity, and thus to guarantee reliable operation against environmental disturbances such as vibration and shock on train.

The EKI-9508G-PH & EKI-9508G-PL are PoE Ethernet switches that provide 8 x Gigabit Ethernet M12 X-code Port interface with IEEE802.3af/at PoE(Power Over Ethernet) function. The PoE ports can provide up to 90Watts power budget for P.D. devices (such as camera, IP-phone and wireless access point). EKI-9508G-PH/ PL features "slim" designs which can be easily deployed with its slender size and make the network deployment easier in crowded carriage/ cabinet.

## Specifications

### Interface

- I/O Port** 8 x 10/100/1000 BASE-T M12 X-Coded
- Power Connector** M12 A-coded

### Physical

- Enclosure** Metal
- Protection Class** IP40
- Installation** Wall mount
- Dimensions (W x D x H)** 122.5 x 179.4 x 71.8 mm
- Weight** 1.3kg

### LED Display

- System LEDs** PWR1, PWR2, SYS
- Port LED** Data, PoE

### Environment

- Operating Temperature** -40 ~ 70°C
- Storage Temperature** -40 ~ 85°C
- Ambient Relative Humidity** 10 ~ 95% (non-condensing)

### Power

- Power Consumption** ~5 W (system)
- PoE Power Budget**
  - EKI-9508G-PH: 90 Watts
  - EKI-9508G-PL: 60 Watts
- Power Input**
  - EKI-9508G-PH: 72/96/110 V<sub>DC</sub>
  - EKI-9508G-PL: 24/48 V<sub>DC</sub>
- Operating Voltage**
  - EKI-9508G-PH: 50.4~137.5 V<sub>DC</sub>
  - EKI-9508G-PL: 16.8~60 V<sub>DC</sub>

Dual inputs Supports Overload Current  
Protection Supports Reverse Polarity Protection

### Certification

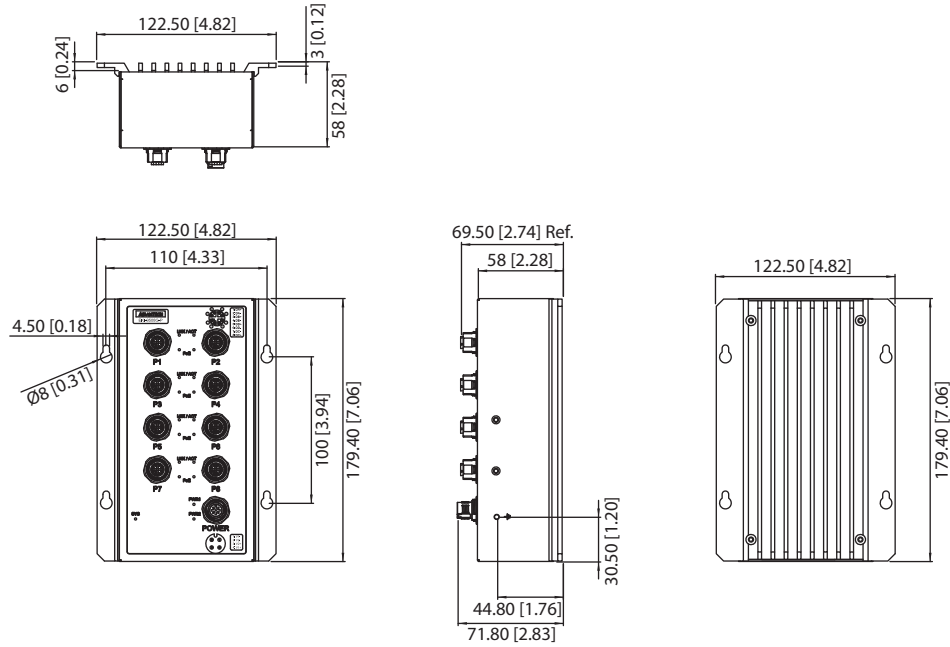
- EMI** FCC Part 15 Subpart B Class A  
CE EN55032 (CISPR)  
EN55024 Class A
- EMS** EN61000-4-2 (ESD), EN61000-4-3 (RS),  
EN61000-4-4 (EFT), EN61000-4-5 (surge),  
EN61000-4-6 (CS)
- Shock** IEC 61373
- Freefall** IEC 60068-2-32
- Vibration** IEC 61373
- Rail Traffic** EN50155; EN50121-3-2

### L2 Features

- L2 MAC Address** 8K
- Jumbo Frame** 9 KB

## Dimensions

Unit: mm [in.]



## Ordering Information

- **EKI-9508G-PH-AE** Layer 2 Switch, 8 x M12 Gigabit Ethernet with PoE/PoE+, 72/96/110 V<sub>DC</sub> dual power input
- **EKI-9508G-PL-AE** Layer 2 Switch, 8 x M12 Gigabit Ethernet with PoE/PoE+, 24/48 V<sub>DC</sub> dual power input