

# EKI-9510G-2GPH

# EKI-9510G-2GPL

## EN50155 10-port Unmanaged PoE M12 Full Giga Ethernet Switch 72/96/110 V<sub>DC</sub>

## EN50155 10-port Unmanaged PoE M12 Full Giga Ethernet Switch 24/48 V<sub>DC</sub>



### Features

- Complies with EN50155
- 8 x M12 X-Coded 10/100/1000Mbps PoE ports + 2 x M12 X-Coded 10/100/1000Mbps ports with Bypass function
- Power Input
  - EKI-9510G-2GPH: 72/96/110 V<sub>DC</sub>
  - EKI-9510G-2GPL: 24/48 V<sub>DC</sub>
- Operating Voltage
  - EKI-9510G-2GPH: 50.4~137.5 V<sub>DC</sub>
  - EKI-9510G-2GPL: 16.8~60 V<sub>DC</sub>
- 8 IEEE802.3 at/af PoE ports
- M12 connector with IP40 protection

### 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-9510G-2GPH & EKI-9510G-2GPL are unmanaged PoE Ethernet switches that provide 8 x Gigabit Ethernet M12 X-coded ports with IEEE802.3af/at PoE(Power Over Ethernet) function. The PoE ports can provide up to 100Watts power budget for P.D. devices (such as camera, IP-phone and wireless access point). Each of them also provides 2 x Gigabit Ethernet M12 X-coded ports with Bypass function to increase the reliability of the network. EKI-9510G-2GPH/ PL features a "flat" design which can be easily deployed with its slender size and make network deployment easier in crowded carriage/ cabinet.

### Specifications

#### Interface

- I/O Port** 8 x 10/100/1000Mbps M12 X-Coded + 2 x M12 X-Coded 10/100/1000Mbps ports with Bypass function
- Power Connector** M12 A-Coded

#### Physical

- Enclosure** Aluminum Shell
- Protection Class** IP 40
- Installation** Wall Mount
- Dimensions (W x D x H)** 216 x 132 x 59.3 mm
- Weight** 1.5kg

#### LED Display

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

#### Environment

- Operating Temperature** -40 ~ 70°C (-40 ~ 158°F)
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Ambient Relative Humidity** 10~ 95% (non-condensing)

#### Power

- Power Consumption** 10 Watts
- PoE Power Budget** EKI-9510G-2GPH: 120 Watts  
EKI-9510G-2GPL: 60 Watts
- Power Input** EKI-9510G-2GPH: 72/96/110 V<sub>DC</sub>  
EKI-9510G-2GPL: 24/48 V<sub>DC</sub>
- Operating Voltage** EKI-9510G-2GPH: 50.4~137.5 V<sub>DC</sub>  
EKI-9510G-2GPL: 16.8~60 V<sub>DC</sub>  
Dual inputs Supports Overload Current Protection  
Supports Reverse Polarity Protection

#### Certification

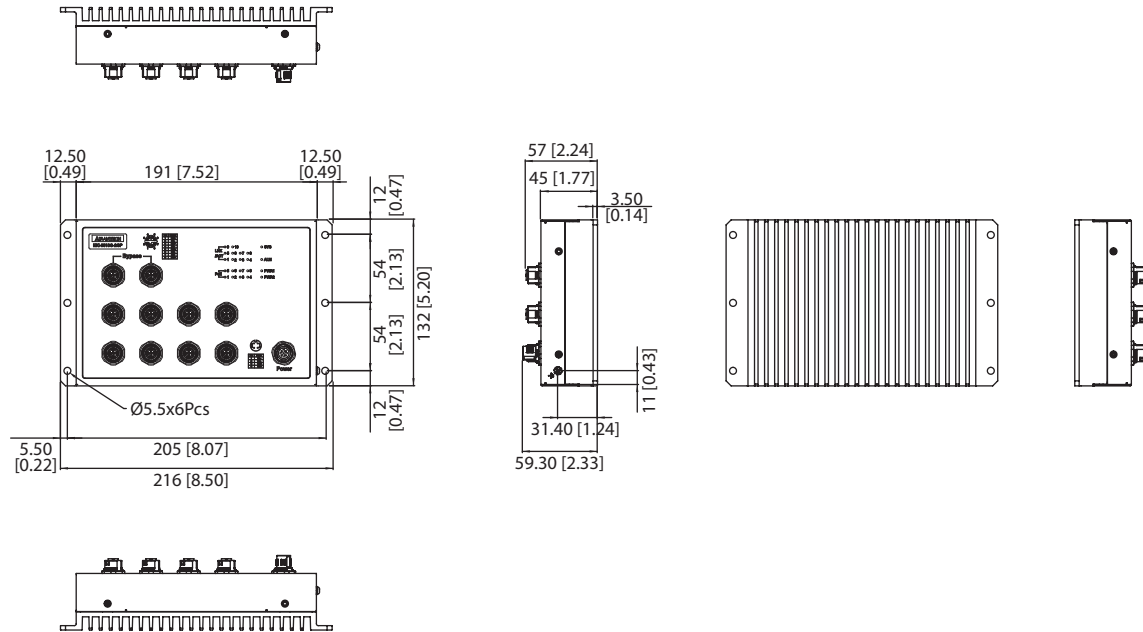
- EMI** FCC Part 15 Subpart B Class A  
CE EN55032 (CISPR)  
EN55024 Class A
- EMS** EN61000-4-2 (ESD); EN61000-4-3 (RS);  
EN61000-4-4 (EFT); EN61000-4-5 (Surge);  
EN61000-4-6 (CS)
- Shock** IEC 61373
- Freefall** IEC 60068-2-32
- Vibration** IEC 61373
- Certificate** EN50155; EN50121-3-2

#### L2 Features

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

## Dimensions

Unit: mm [inch]



## Ordering Information

- **EKI-9510G-2GPH-AE** 8 x M12 X-Coded PoE + 2 x M12 X-Coded Umanaged Ethernet Switch, 72/96/110V<sub>DC</sub> dual power input
- **EKI-9510G-2GPL-AE** 8 x M12 X-Coded PoE + 2 x M12 X-Coded Unmanaged Ethernet Switch, 24/48V<sub>DC</sub> dual power input