

# EKI-9510G-2GH

# EKI-9510G-2GL

**EN50155 10-port Unmanaged M12 Ethernet Switch 72/96/110 V<sub>DC</sub>**

**EN50155 10-port Unmanaged M12 Ethernet Switch 24/48 V<sub>DC</sub>**



CE FCC

## Features

- Complies with EN50155
- 8 x M12 X-Coded 10/100/1000Mbps ports + 2 x M12 X-Coded 10/100/1000Mbps ports with Bypass function
- Power Input
  - EKI-9510G-2GH: 72/96/110 V<sub>DC</sub>
  - EKI-9510G-2GL: 24/48 V<sub>DC</sub>
- Operating Voltage
  - EKI-9510G-2GH: 50.4~137.5 V<sub>DC</sub>
  - EKI-9510G-2GL: 16.8~60 V<sub>DC</sub>
- 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-2GH & EKI-9510G-2GL are unmanaged Ethernet switch that provide 8 x Gigabit Ethernet M12 X-code interface. Each of them also provides 2 x Gigabit Ethernet M12 X-coded ports with Bypass function to increase the reliability of the network. The EKI-9510G-2GH/ L 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
- Console port
  - M12 A-Coded
- 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

### Environment

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

### Power

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

### Certification

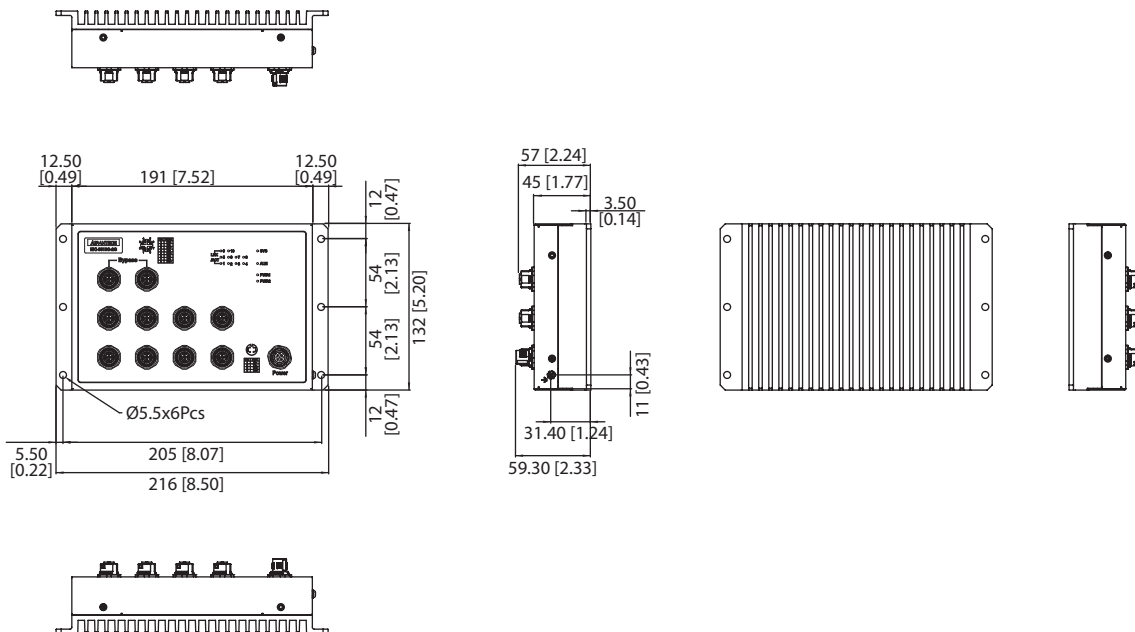
- EMI
  - FCC Part 15 Subpart B Class A
  - CE EN55032 (CISPR)
  - EN55024 Class A
- EMS
  - EN61000-4-2 (ESD); EN61000-4-3 (RS); EN61000-4-4 (EFT); EN61000-4-5 (Surge); EN61000-4-6 (CS)
- Shock
  - IEC 61373
- Freefall
  - IEC 60068-2-32
- Vibration
  - IEC 61373
- Rail Traffic
  - EN50155; EN50121-3-2

### L2 Features

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

## Dimensions

Unit: mm [in.]



## Ordering Information

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