

# EKI-9510G-2GH

# EKI-9510G-2GL

EN 50155 10-port Unmanaged M12 Ethernet Switch 72/96/110 V<sub>DC</sub>

EN 50155 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

EKI-9500 series switch is designed for railway application, with rugged and high EMC performance. EKI-9500 series is the suitable networking solution for rolling stock and wayside applications. EKI-9500 series provide M12 connectors for Ethernet/ console/ relay/ power-input connections to ensure tight & robust connectivity, to guarantee reliable operation against environmental disturbances, such as vibration and shock on train. EKI-9510G-2GH & EKI-9510G-2GL is a Unmanaged Ethernet switch, it provides 8 x Gigabit Ethernet M12 X-code interface. It also provides 2 x Gigabit Ethernet M12 X-code interface with Bypass function, to increase the reliability of the network. EKI-9510G-2GH/ L features a "flat" design, can be easy deployed with its slender size and let network deployment more simple 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

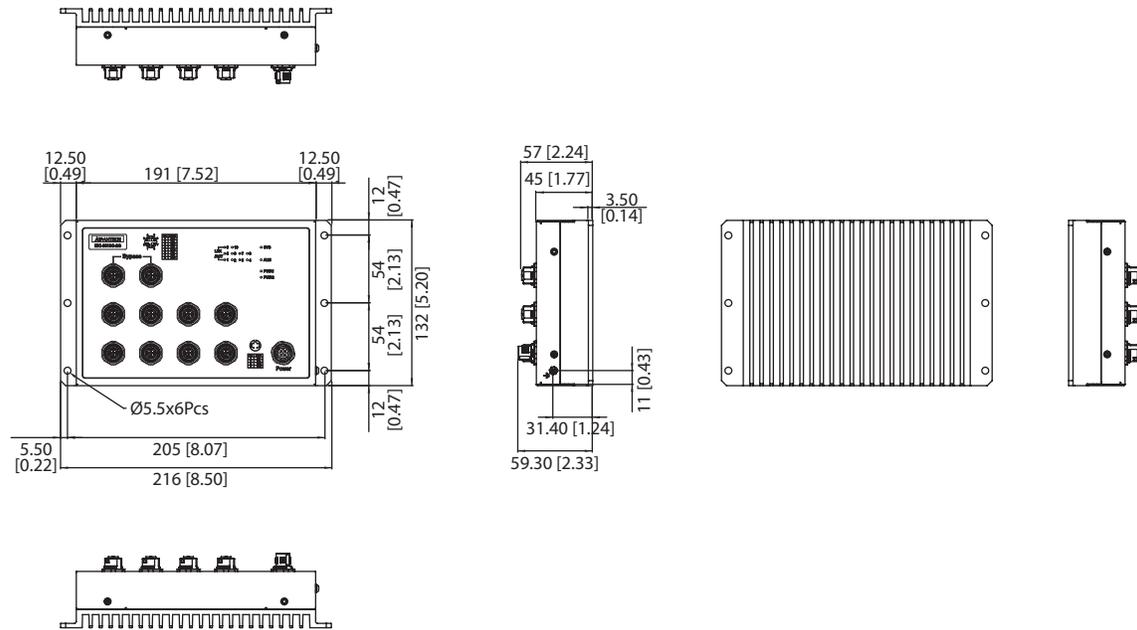
- EMI** FCC Part 15 Subpart B Class A CE EN55032 (CISPR) EN55024 Class A
- EMS** EN61000-4-2 (ESD); EN61000-4-3 (RS); EN61000-4-4 (EFT); EN61000-4-5 (Surge); EN61000-4-6 (CS)
- Shock** IEC 61373
- Freefall** IEC 60068-2-32
- Vibration** IEC 61373
- Rail Traffic** EN 50155; EN50121-3-2

### 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, 72/96/110VDC dual power input
- **EKI-9510G-2GL-AE** 8 x M12 X-Coded + 2 x M12 X-Coded Unmanaged Ethernet Switch, 24/48VDC dual power input

## Accessories

PN		Description
OPT1-M12-CRP-8MX		Phoenix Contact M12 X-code 8 pin Male crimp type connector
OPT1-M12-CRP-4FA		Phoenix Contact M12 A-code 4 pin Female crimp type connector
OPT1-M12C-8MX-150R		M12 X-code 8 pin Male to RJ45, cable length: 1.5m
OPT1-M12C-4FA-100		M12 A-code 4 pin Female to 1m cable
1990023703S000		M12 waterproof CAP (1pc.)