

EKI-9510G-2GH

EKI-9510G-2GL

EN 50155 10-port Unmanaged M12 Ethernet Switch 72/96/110 V_{DC}

EN 50155 10-port Unmanaged M12 Ethernet Switch 24/48 V_{DC}



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_{DC}
 - EKI-9510G-2GL: 24/48 V_{DC}
- Operating Voltage
 - EKI-9510G-2GH: 50.4~137.5 V_{DC}
 - EKI-9510G-2GL: 16.8~60 V_{DC}
- 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 an 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 H x D)
 - 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
 - 5 ~ 95% (non-condensing)

Power

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

Certification

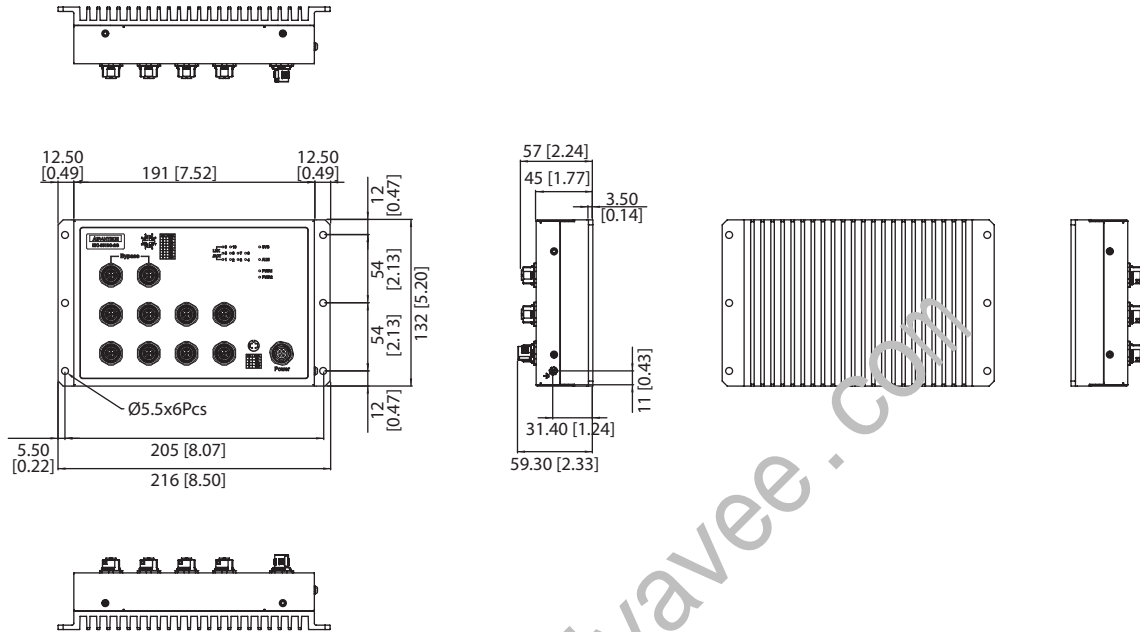
- EMI
 - FCC Part 15 Subpart B Class A
 - CE EN55032 (CISPR)
 - EN55024 Class A
- EMS
 - EN61000-4-2 (ESD); EN61000-4-3 (RS); EN61000-4-4 (EFT); EN61000-4-5 (Surge); EN61000-4-6 (CS)
- Shock
 - IEC 61373
- Vibration
 - IEC 61373
- Rail Traffic
 - EN 50155; EN50121-3-2

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.)