EKI-9508G-PH
EKI-9508G-PL

EN50155 8-Port M12 PoE Unmanaged Ethernet Switch 72/96/110 V_{DC}

EN50155 8-Port M12 PoE Unmanaged Ethernet Switch 24/48 V_{DC}

Features

- Complies with EN50155
- 8 port M12 X-coded 10/100/1000Mbps PoE ports
- Power input
  EKI-9508G-PH: 72/96/110 V_{DC}
  EKI-9508G-PL: 24/48 V_{DC}
- Operating Voltage
  EKI-9508G-PH: 50.4~137.5 V_{DC}
  EKI-9508G-PL: 16.8~60 V_{DC}
- 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

CE FCC

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 easy 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_{DC}
                          EKI-9508G-PL: 24/48 V_{DC}
- **Operating Voltage**   EKI-9508G-PH:50.4~137.5 V_{DC}
                          EKI-9508G-PL: 16.8~60 V_{DC}
                          Dual inputs Supports Overload Current
                          Protection Supports Reverse Polarity Protection

Certification

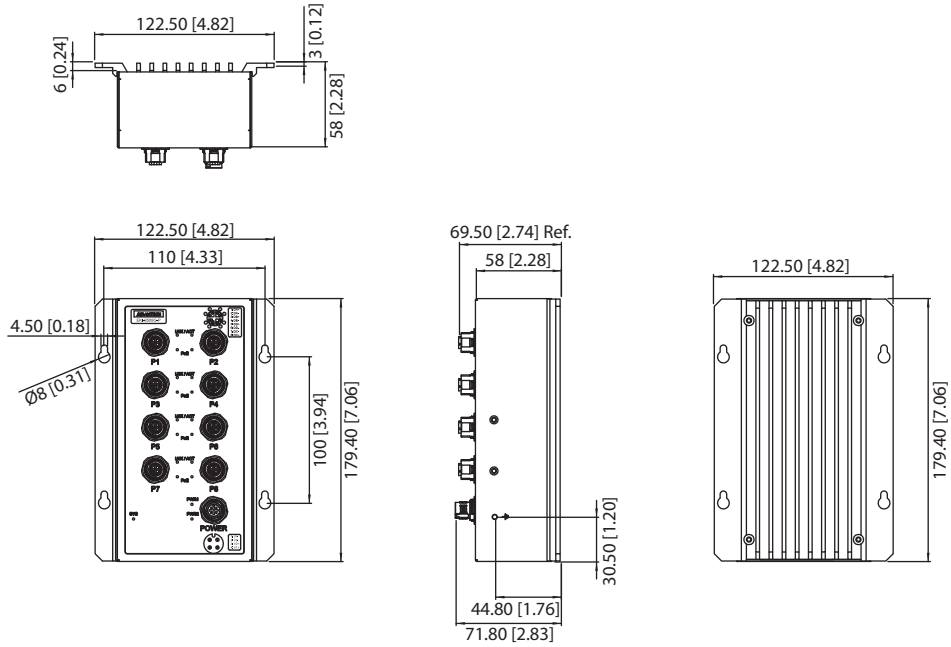- **EMI**   FCC Part 15 Subpart B Class A
                  CE EN55032 (CISPR)
                  EN55024 Class A
- **EMS**   EN61000-4-2 (ESD), EN61000-4-3 (RS),
                  EN61000-4-4 (EFT), EN61000-4-5 (surge),
                  EN61000-4-6 (CS)
- **Shock**   IEC 61373
- **Freefall**   IEC 60068-2-32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

L2 Features

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

ADVANTECH **Industrial Ethernet Soultions**

All product specifications are subject to change without notice.   Last updated: 9-Nov-2018

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_{DC} dual power input
- **EKI-9508G-PL-AE**   Layer 2 Switch, 8 x M12 Gigabit Ethernet with PoE/PoE+, 24/48 V_{DC} dual power input

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Advantech](#):
  [EKI-9508G-PL-AE](#)   [EKI-9508G-PH-AE](#)