EKI-9508E-H
EKI-9508E-L

EN50155 8-Port M12 Unmanaged Ethernet Switch 72/96/110 V_{DC}
EN50155 8-Port M12 Unmanaged Ethernet Switch 24/48 V_{DC}

CE FCC

Features

- Complies with EN50155
- 8 M12 D-coded 10/100Mbps ports
- Power input
  EKI-9508E-H: 72/96/110 V_{DC}
  EKI-9508E-L: 24/48 V_{DC}
- Operating Voltage
  EKI-9508E-H: 50.4~137.5 V_{DC}
  EKI-9508E-L: 16.8~60 V_{DC}
- M12 connector with IP40 protection
- Operating temperature range -40 ~ 70°C

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-9508E-H/L is an Ethernet switch that provides 8 x Fast Ethernet M12 D-code port interface for all kinds of Ethernet connection. EKI-9508E-H/L features a "slim" design 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 10/100BASE-T M12 D-coded
Power Connector	M12 A-coded

Physical

Enclosure	Metal
Protection Class	IP40
Installation	Wall mount
Dimensions (W x H x D)	122.5 x 179.4 x 71.8 mm
Weight	1.3kg

LED Display

System LEDs	PWR1, PWR2, SYS

Environment

Operating Temperature	-40 ~ 70°C
Storage Temperature	-40 ~ 85°C
Ambient Relative Humidity	5 ~ 95% (non-condensing)

Power

Power Consumption	~5 W (system)
Power Input	EKI-9508E-H: 72/96/110 V_{DC} EKI-9508E-L: 24/48 V_{DC}
Operating Voltage	EKI-9508E-H: 50.4~137.5 V_{DC} EKI-9508E-L: 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

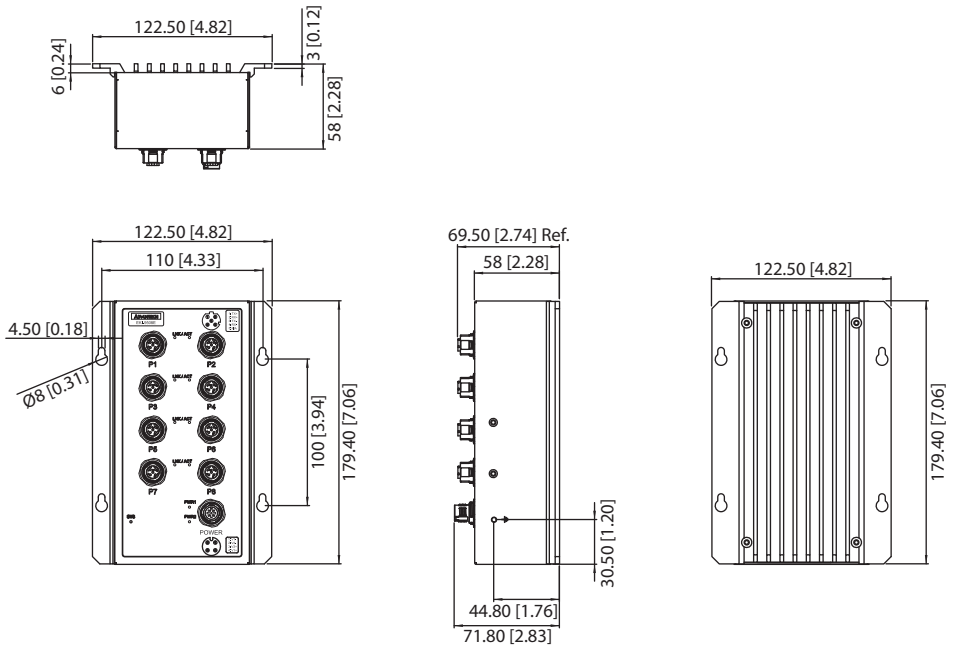
L2 Features

L2 MAC Address	8K
Jumbo Frame	9 KB

All product specifications are subject to change without notice.
Last updated: 22-Sep-2021

Dimensions

Unit: mm [in.]



Ordering Information

- **EKI-9508E-H-AE** Layer 2 switch, 8 x M12 fast Ethernet, 72/96/110 V_{DC} dual power input
- **EKI-9508E-L-AE** Layer 2 switch, 8 x M12 fast Ethernet, 24/48 V_{DC} dual power input

Accessories

PN		Description
OPT1-M12-CRP-4MD		Phoenix Contact M12 D-code 4 pin Male crimp type connector
OPT1-M12-CRP-4FA		Phoenix Contact M12 A-code 4 pin Female crimp type connector
OPT1-M12C-4MD-150R		M12 D-code 4 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.)