

EKI-9510E-2GMPL

EKI-9510E-2GMPL

EN 50155 10-Port Managed PoE M12 Ethernet Switch 72/96/110 V_{DC}

EN 50155 10-Port Managed PoE M12 Ethernet Switch 24/48 V_{DC}



CE FCC

Features

- Complies with EN50155
- 8 x M12 D-Coded 10/100Mbps PoE ports + 2 x M12 X-Coded 10/100/1000Mbps ports with Bypass function
- Power Input
 - EKI-9510E-2GMPL: 72/96/110 V_{DC}
 - EKI-9510E-2GMPL: 24/48 V_{DC}
- Operating Voltage
 - EKI-9510E-2GMPL: 50.4–137.5 V_{DC}
 - EKI-9510E-2GMPL: 16.8–60 V_{DC}
- X-Ring Pro supports rapid and predictable convergence
- 8-port PoE support IEEE802.3af/at
- 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-9510E-2GMPL & EKI-9510E-2GMPL is a Managed PoE Ethernet switch, it provides 8 x Fast Ethernet M12 D-code interface with IEEE802.3af/at PoE(Power Over Ethernet) function. PoE ports can total provide up to 100Watts power budget for P.D. devices (such as camera, IP-phone and wireless access point). It also provides 2 x Gigabit Ethernet M12 X-code interface with Bypass function, to increase the reliability of the network. EKI-9510E-2GMPL/ MPL 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 M12 D-Coded 10/100Mbps PoE ports + 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, R.M., Alarm
- Port LED** Data, PoE

Environment

- Operating Temperature** -40 ~ 70°C (-40 ~ 158°F)
- Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- Ambient Relative Humidity** 10~ 95% (non-condensing)

Power

- Power Consumption** 10 Watts
 - PoE Power Budget**
 - EKI-9510E-2GMPL: 120 Watts
 - EKI-9510E-2GMPL: 60 Watts
 - Power Input**
 - EKI-9510E-2GMPL: 72/96/110 V_{DC}
 - EKI-9510E-2GMPL: 24/48 V_{DC}
 - Operating Voltage**
 - EKI-9510E-2GMPL: 50.4~137.5 V_{DC}
 - EKI-9510E-2GMPL: 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)
IEC 61373
IEC 60068-2-32
- Shock** IEC 61373
- Freefall** IEC 60068-2-32
- Vibration** IEC 61373
- Certificate** EN 50155; EN50121-3-2

L2 Features

- L2 MAC Address** 8K
- Jumbo Frame** 9KB
- VLAN Group** 256 (VLAN ID 1~4093)
- VLAN** 802.1Q VLAN, GVRP
- Port Mirroring** Per port, Multi-source port
- IP Multicast** IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
- Storm Control** Broadcast, Multicast, Unknown unicast
- Redundancy Protocol** IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring Pro

QoS

- Priority Queue** Scheduling WRR (Weighted Round Robin), SP (Strict Priority)
- Class of Service** IEEE 802.1p based CoS, IP TOS, DSCP based CoS
- Rate Limiting** Egress Rate limit
- Link Aggregation** IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking

