

EKI-9510G-2GMH EKI-9510G-2GML

**EN 50155 10-port Managed M12 Full
Giga Ethernet Switch 72/96/110 V_{DC}**
**EN 50155 10-port Managed M12 Full
Giga Ethernet Switch 24/48 V_{DC}**



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-2GMH: 72/96/110 V_{DC}
EKI-9510G-2GML: 24/48 V_{DC}
- Operating Voltage
EKI-9510G-2GMH: 50.4~137.5 V_{DC}
EKI-9510G-2GML: 16.8~60 V_{DC}
- X-Ring Pro supports rapid and predictable convergence
- M12 connector with IP40 protection

CE FCC

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-2GMH & EKI-9510G-2GML is a Managed 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-2GMH/ ML 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, R.M., Alarm

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
- Power Input** EKI-9510G-2GMH: 72/96/110 V_{DC}
EKI-9510G-2GML: 24/48 V_{DC}
- Operating Voltage** EKI-9510G-2GMH: 50.4~137.5 V_{DC}
EKI-9510G-2GML: 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
- 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

Unit: mm [inch]



- ## Management

- ## Ordering Information

- ## Accessories

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