

BCD-RSS-802U

EN50155 10-port Unmanaged PoE M12 Full Giga Ethernet Switch 72/96/110 V

INTRODUCTION

The BCD-RSS-802U 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 BCD-RSS-802U 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 BCD-RSS-802U is unmanaged PoE Ethernet switches that provide 8 x Gigabit Ethernet M12 X-coded ports with IEEE802.3af/at PoE(Power Over Ethernet) function. The PoE ports can provide up to 100Watts power budget for P.D. devices (such as camera, IP-phone and wireless access point). Each of them also provides 2 x Gigabit Ethernet M12 X coded ports with Bypass function to increase the reliability of the network.



KEY FEATURES



PORTS

8 x M12 X-Coded 10/100/1000Mbps PoE ports +
2 x M12 X-Coded 10/100/1000Mbps ports with
Bypass function
8 IEEE802.3 at/af PoE ports



POWER INPUT

EKI-9510G-2GPH: 72/96/110 VDC
EKI-9510G-2GPL: 24/48 VDC



VOLTAGE

EKI-9510G-2GPH: 50.4~137.5 VDC
EKI-9510G-2GPL: 16.8~60 VDC



M12 connector with IP40 protection

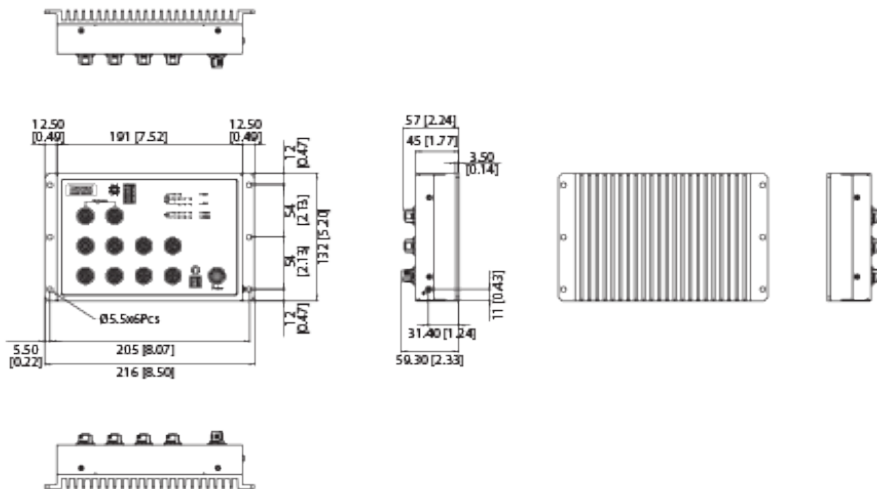


Complies with EN50155

BCD-RSS-802U

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Dimensions



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, Alarm

Port LED

Data, PoE

Interface

I/O Port

8 x 10/100/1000Mbps M12 X-Coded + 2 x M12 X-Coded 10/100/1000Mbps ports with Bypass function

Power Connector

M12 A-Coded

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

120 Watts

Power Input

72/96/110 VDC

Operating Voltage

50.4~137.5 VDC

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

EN50155; EN50121-3-2

L2 Features

L2 MAC Address

8K

Jumbo Frame

9KB