TRX S10

The TRX S10 is a rail certified, 10-port managed switch based on Cisco IOS technology.

It provides Enterprise switching for maximum performance in high-throughput applications such as Passenger Wi-Fi and infotainment.

10-port Cisco switch for rail

Key Features

- Enterprise grade Cisco IOS Layer 2/3 switch
- Supports Gigabit Copper/Fiber train backbone
- Fail-to-wire on Gigabit ports to maintain service to downstream cars during outage
- Extensive security features including 802.1x authentication, Port Security, ACLs
- PoE compatible with IP cameras and Wi-Fi access points
- Extensive Quality of Service features for video streaming

Trains   Autonomous   Fleet

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KLAS

TRX S10

Specifications

Physical Specifications

- 9.8"W x 7.7" L x 3"H (250 mm x 195 mm x 76 mm)
- 6.6 lb / 2.98 kg

Ports

- 2 Gigabit Ethernet ports available as X-code M12 Copper or QODC fiber. Fail-to-wire enabled
- 8 Fast Ethernet ports available as X-code M12 Copper on front panel. All ports are PoE+ enabled and powered from 24-110V supply
- RJ-45 console port behind cover plate
- Extruded aluminium enclosure

Standards Compliance

- 2011/65/EC (RoHS 2)
- REACH (EC 1907/2006)
- EN50155:2017 Railway Applications - Electronic equipment used on rolling stock; EN50155: Heat, Cold, Insulation, Vibration and Shock); EN60068-2-1, EN60068-2-2, EN60068-2-30
- EN61373:2017 Railway Applications - Rolling stock equipment - Shock and Vibration Tests
- EN50121-3-2:2017 Railway Applications - Electromagnetic Compatibility - Part 3-2 Rolling Stock - Apparatus
- EN45545-2:2015 Railway Applications - Fire Protection on Railway Vehicles - Part 2
- EN60529 - Degrees of protection provided by enclosures (IP Code)
- IP66 Compliant

Electrical Specifications

- 24 - 110 VDC
- Power consumption
- 10 W without PoE
- 130 W when front panel PoE ports are in use

Cisco IOS Features

- Port security
- 802.1x authentication
- 802.1q VLANs
- Multicast support with IGMP snooping
- IPv4 and IPv6
- DHCP server
- Spanning Tree Protocol (STP)

TRX® S10 Front

TRX® S10 Rear

KEELOS | BLACKROCK

Optimised Management & Virtualization

KLAS