

SFP Core Switch for Railway Communication



Overview

This switch provides eight Ethernet 10/100/1000Base-T copper ports and four SFP slots for fiber-optics. Certified to ATEX Zone 2, DNVGL. Industrial networking manufacturer Antaira Technologies has released an 18-port Gigabit Ethernet switch designed for railway applications, featuring M12 connectivity, IP67 environmental protection, integrated bypass functionality for network redundancy, and dual 1G/10G SFP+ uplinks for. L2+ managed Ethernet aggregation /core fiber switch with 24*10/100/1000M RJ45 ports and 4*1/10G uplink SFP+ fiber ports. It built-in 60W power supply and 1U/19" cabinet installation. OVERVIEW The ONV56028FM is a 10G uplink L2+ managed Ethernet fiber switch independently developed by ONV. Our comprehensive portfolio includes unmanaged switches, managed switches, PoE switches. The Cisco ® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and service provider transport applications. Cisco SFP+ modules offer the following features and benefits. ● Industry's smallest 10G. Our Industrial Ethernet Switch portfolio comprises Managed and Unmanaged Switches with Gigabit, PoE, IEC 61850 certification, and for DIN rail mounting.

Article Content

The Ultimate Guide to SFP Modules (2026): Types,

From the core connections of enterprise LANs to the 400G/800G fabrics of hyperscale data centers, SFP modules are ubiquitous. What is an SFP? SFP

Hirschmann SPR40-1TX/1SFP-EEC | Gigabit SFP Rail

Certified to ATEX Zone 2, DNVGL, EN50121-4, and E1, it delivers compact and

Industrial Ethernet Switches | Phoenix Contact

Our Industrial Ethernet Switch portfolio comprises Managed and Unmanaged Switches with Gigabit, PoE, IEC 61850 certification, and for DIN rail mounting.

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

SFP Optical Modules: The Essential Bridge in Modern

SFP optical modules are essential components in cutting-edge network infrastructure, enabling high-speed, reliable fiber optic communication.

Onboard Railway Communication Solutions

Onboard Multi-Network Router Core communication gateway enabling multi-network aggregation and intelligent routing Onboard Wireless Access Point (AP) Provides stable, high-capacity Wi-Fi

Onboard Railway Communication Solutions

Our solutions combine rail-grade hardware and customized software to support passenger Wi-Fi services, train-to-ground communication, onboard data transmission, and intelligent operation systems.

HMS Networks

HMS creates products that enable industrial equipment to communicate and share information with software and systems. In short: Hardware Meets Software™.

SFP Transceivers Explained

SFP stands for “small form-factor pluggable” and transceiver means a device that can both transmit and receive data. This article “SFP Transceivers

Understanding SFP Modules: A Complete Guide for

Explore Syrotech's range of SFP modules, offering scalable, high-speed connectivity solutions for modern networks and data centers.

Railway Communication Solutions: CBTC, PIS & Station

Maisvch delivers advanced industrial communication products that seamlessly connect vehicles, trackside infrastructure, and station systems. Our Ethernet

Ethernet Switches

Our comprehensive portfolio includes unmanaged switches, managed switches, PoE switches, rackmount switches, and EN 50155 switches designed for use in

Small Form-factor Pluggable

Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module format used for both telecommunication and data communications

SFP Transceiver: Types, Installation & Troubleshooting

Learn about SFP Transceiver types, installation, troubleshooting, and future advancements in high-speed networking and optical communication.

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise

SFP Interface: Definition, SFP vs. RJ45, Uses and Applications

Learn what an SFP interface is, how SFP ports work, and the differences between SFP and RJ45. Complete guide to SFP applications, compatibility, and troubleshooting.

SFP Transceivers Explained: The Ultimate Guide to

Discover every type of SFP transceiver—fiber, copper, BiDi, CWDM, and more. Learn how to choose the right module for speed, distance, and

10G uplink 28-port L2+ managed Ethernet switch

The ONV56028FM is a 10G uplink L2+ managed Ethernet fiber switch independently developed by ONV. It has 24*10/100/1000Base-T adaptive RJ45

An introduction to SFP ports on a Gigabit switch

An introduction to SFP ports on a Gigabit switch SFP ports enable Gigabit switches to connect to a variety of fiber and Ethernet cables and extend switching functionality throughout the

Understanding SFP Switches: The Essential Guide to Fiber and

Discover the essentials of SFP switches, comparing SFP and RJ45 ports, their roles in Ethernet connectivity, and the latest SFP specification updates.

Small Form Factor Pluggable (SFP) Modules: Guide

Answer first: An SFP (Small Form Factor Pluggable) module is a hot-pluggable network transceiver that lets switches, routers, and servers link to fiber

SFP Transceiver Basics: What Every Network Engineer

SFP transceivers provide flexible network connections. Understand types, compatibility, and selection tips every network engineer should know.

Specification of LAN SWITCH

3.6.2 The Core Switch shall support for Admission Control features to improve the network's ability to automatically identify, prevent, and respond to security threats and also to enable the switches to

Electric and Hybrid Rail Technology

Industrial networking manufacturer Antaira Technologies has introduced an 18-port Ethernet switch engineered for railway rolling stock applications.

Industrial DIN-Rail GE Switch, 8x RJ45 PoE+, 4x SFP

This switch provides eight Ethernet 10/100/1000Base-T copper ports and four SFP slots for fiber-optics. This switch allows converting fiber-to-fiber or fiber-to-copper

Gigabit SFP Network Switch Selection Guide for 2025

A Gigabit SFP switch is a network switch that primarily operates at 1 Gigabit per second and is equipped with Small Form-Factor Pluggable (SFP) ports, which are hot-swappable interface

Managed Din-Rail 4-Port Gigabit Ethernet + 2-Port

It can be equipped with a redundant dual DC power supply (9-70V), and can provide a redundancy mechanism for key device that needs to be kept connected all the

Industrial Switch Solutions for Smarter Railway Networks

Railway operators today must balance passenger safety with growing demands for faster, smarter, and more connected travel. Modern systems—from high-speed trains to urban

Contact Us

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