

RoHS Network Security Equipment SFP



AI Overview

RoHS-compliant SFP modules are small, hot-swappable transceivers that provide secure, high-speed network connectivity while meeting environmental standards.

Overview

RoHS (Restriction of Hazardous Substances) compliant SFP modules are designed to meet environmental regulations by limiting hazardous materials such as lead, mercury, and cadmium. These modules are widely used in network security equipment, including switches, routers, and industrial network devices, to ensure reliable and safe data transmission.

Types and Specifications

- Optical SFP Modules
 - Data Rates: Typically 1.25G to 10G (e.g., Hikvision HK-SFP-1.25G-20-1310 supports 1.25 Gbps; D-Link DEM-432XT supports 10 Gbps) .
 - Transmission Distance: Ranges from 10 km to 20 km depending on single-mode fiber and module type .
 - Connectors: Single bi-directional LC connectors are common .
 - Power Supply: Usually 3.3V single supply .
 - Operating Temperature: Typically -0°C to 70°C for industrial-grade modules .
 - Features: Hot-swappable, digital diagnostics, and limiting receiver options for signal integrity .
- Copper SFP Modules
 - Data Rates: 1 Gbps (1000BASE-T) with backward compatibility for 10/100 Mbps

Article Content

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RoHS Compliant SFP/XFP Part Numbers

The document lists specifications for various small form-factor pluggable (SFP) and 10 gigabit small form-factor pluggable (XFP)

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How Bidirectional SFP Modules Are Transforming Surveillance, Security ...

From military-grade SFP modules built for harsh battlefield environments to enterprise fiber optic transceivers

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RoHS-6 Compliant 10Gb/s 10km Single Mode Bidirectional SFP

The standard SFP serial ID provides access to identification information that describes the transceiver's capabilities, standard

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SFP of RoHS Network Security Equipment in Five Central Asian

SFP of RoHS Network Security Equipment in Five Central Asian Intertek provides global RoHS compliance solutions for

Nov 06, 2025

RUGGEDCOM SFP Transceivers

Each available SFP transceiver has been tested for compatibility with the following RUGGEDCOM routers and switches. Use in any

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CLOUDSP_datasheet

Model SFX-DD FiberPlex SFX-DD Data Diode SFP Modules for cyber security, with gigabit or 10-gigabit optics, transmit data in one

Sep 29, 2025

Research Note: AMG Secure-Net™ SFP Carrier – A New Approach to ...

The AMG Secure-Net™ SFP carrier offers several compelling advantages by implementing encryption at the SFP

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RoHS Compliant Single Mode SFP Transceiver for GbE and Fiber

When the recommended supply-filtering network is used, hot plugging of the SFP transceiver module will result in an inrush current

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RoHS Compliant Small Form Factor Pluggable Transceiver for Gigabit ...

AGM731F RoHS Compliant Small Form Factor Pluggable Transceiver for Gigabit Ethernet and Fiber Channel Description This

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A Complete Guide to RoHS Compliance

Telecommunication Equipment: Devices like routers, switches, and other network-related

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SFP Optical Transceiver Products | Syrotech Networks

Syrotech Networks is market leader in manufacturing and supplier of sfp module, optical transceiver, sfp port, sfp optical

Dec 07, 2025

SFP Optic Module RoHS Compliant 10GB/S 10km

SFP+ module can be plugged directly into HP's routers or switches and is hot-swappable

Sep 25, 2025

RoHS & REACH Declaration of Conformity

Product Number Description 10052-ST Extreme Networks 10052 Compatible SFP Module - 1000BASE-LX - 1GbE Single Mode Fiber

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Switch SFP 100% Reliable Compatible Optical

Switch SFP are now part of the Jisc Network Equipment Framework The Jisc Framework supports digital

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SFP Networking: Comprehensive Guide for Network Engineers

Data Centers: In data centers, SFP modules are crucial for maintaining robust and flexible network architectures. They support rapid

May 06, 2026

SFP Transceiver Basics: What Every Network Engineer Should Know

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

May 02, 2026

SFP Modules: Types, Selection Guide & Applications

SFP modules are the backbone of modern networking, offering flexibility, speed, and compatibility across a range of

May 07, 2026

RoHS Compliance FAQ

RoHS Compliance FAQ What is RoHS? RoHS stands for Restriction of Hazardous Substances. RoHS, also known as Directive

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SFP modules – transceivers for 1/2/4G fibre channel

SFP transceivers are valued for their flexibility, low power consumption and ability to support both single-mode and multimode fiber,

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FTLF8519P3ByL-2.125-Gb/s-RoHS-Compliant-Short-Wavelength-SFP ...

Finisar's FTLF8519P3xyL Small Form Factor Pluggable (SFP) transceivers are compatible with the Small Form Factor Pluggable

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RoHS Compliant Small Form Factor Pluggable Transceiver for Gigabit ...

It is compliant with the Gigabit Ethernet standards, as well as the SFP Multisource Agreement (MSA). It provides with the LC

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13 SFP Transceiver Manufacturers in 2026

Additionally, SFP transceivers support various communication standards and wavelengths. When selecting and installing an SFP

Mar 28, 2026

SUPPORTED/UNSUPPORTED SFP

Hi Bbenko, Following document has information about supported SFP.
810-000077-00H, Reference, PAN HW

Jul 17, 2026

RoHS-Impacted Product Categories & Exemptions

RoHS-Exempted Product Categories The following product categories are currently exempted from RoHS

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What is an SFP? Learn how SFP transceivers work, compare SFP vs

What Is an SFP Module? Complete Guide to Small Form-Factor Pluggable Transceivers
Small Form-Factor Pluggable

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RoHS Compliant 1000BASE-T Copper SFP Transceiver

-links with 5-level Pulse Amplitude Modulation (PAM) signals. All four pairs in the cable are used with symbol rate at 250Mbps on

Jul 22, 2026

Introduction of SFP Certification standard | QSFPTTEK Blog

Security certificates tend to vary according to individual country regulations. The United States generally follows the

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Restriction of Hazardous Substances Directive (RoHS)

The Restriction of Hazardous Substances (RoHS) is a set of regulations that limit the use of hazardous

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What is SFP Module and How to Choose it

In the ever-evolving network technology, the need for efficient and adaptable components has become more crucial

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

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