Guaranteed 1G optical receiver



Overview

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Key Takeaways

1G SFP optical receivers provide reliable 1 Gigabit per second data transmission over fiber with guaranteed compatibility and performance.

Overview

A 1G optical receiver is part of an SFP transceiver module that converts optical signals into electrical signals for network devices. These receivers are designed to support 1 Gigabit Ethernet (1000BASE-X) and are widely used in switches, routers, storage systems, and telecom equipment. They are compliant with MSA (Multi-Source Agreement) standards, ensuring broad compatibility across different hardware brands and network setups.

Key Features

Data Rate: 1 Gbps guaranteed for standard SFP modules. Distance Support: Depending on the model, distances range from 300 meters to 80 km for multi-mode and single-mode fibers. Form Factor: SFP (Small Form-factor Pluggable), compatible with standard SFP slots.



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Wavelength Options: Available in multiple wavelengths, including CWDM grids and standard 850nm, 1310nm, or 1550nm for single-mode or multi-mode fibers. Reliability: High-quality components from manufacturers like Broadcom, Lumentum, and Analog Devices ensure long service life, often exceeding 10 years. Warranty: Many 1G SFP modules come with a limited lifetime warranty, providing assurance of performance.

Applications1

G optical receivers are suitable for: Enterprise networks: Connecting switches and routers over fiber. Data centers: High-speed uplinks and server interconnects. Telecommunications: Metro networks, SONET/SDH, and xWDM systems.

Specialized monitoring: OTDR and OSC applications for fiber testing and supervisory channels. Choosing a Guaranteed 1G ReceiverWhen selecting a 1G optical receiver, consider: Compatibility: Ensure the SFP is compatible with your hardware brand (e.g., Cisco, Nokia, Juniper). Distance and fiber type: Match the receiver to your fiber type (single-mode or multi-mode) and required transmission distance.

Wavelength: Choose the correct wavelength for your network setup. Warranty and quality: Opt for modules with verified components and a warranty to guarantee long-term performance. By selecting a certified 1G SFP optical receiver, you ensure stable 1 Gbps performance, broad compatibility, and reliable long-distance optical transmission for your network infrastructure.

Article Content

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1G SFP Optical Transceiver Modules | Solid Optics

1G SFP optical transceiver modules for multi-mode and single-mode in distances ranging from 300 meters up to 80km with a limited lifetime warranty.

1G SFP Optical Transceivers | SX, LX, TX Modules

Discover reliable and versatile 1G SFP optical transceivers fully compatible with Cisco, Huawei, Juniper, Arista, and more. Choose from SX, LX, and TX modules.

1 GHz Fiber-Optic Receivers | Fiber-Optic Receivers

They have been engineered to eliminate most common sources of noise and drift, and have enough gain to pick up even very weak signals making them ideal

Optical Transceivers from 1G to 400G | Solid Optics

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Compatible optical transceivers 1G, 10G, 25G, 40G and 100G in multiple form factors including SFP, SFP+ XFP, QSFP+, QSFP28 and CFP with a lifetime warranty.

1G SFP Optical Transceivers | Transceiver Modules

Store.QSFPTEK 1G SFP transceivers provide wide selection for various Gigabit Ethernet applications, such as 100+ vendors compatibility, copper/fiber, SMF/MMF, 100m to 80km.

1G SFP Optical Transceiver

We are proud to offer industry-leading products that meet ISO and TL9000 standards and are backed by a lifetime warranty. Our customers enjoy guaranteed product assurance, competitive pricing, lifetime

/ 1G Optical Transceivers

Cube Technology Trading''s 1G transceiver series offers a diverse portfolio to meet the needs of various network applications, including SONET/SDH, xWDM, Ethernet, Metro Networks, Wireless Networks,

OREI 4K@60Hz HDMI Over Fiber Optic Extender 1G Up to 40 KM

Transmitter & Receiver Set with Dual Voltage Power Supply – Long-range transmission up to 40KM over fiber optic cable with low-latency performance over 1G IP networks. The device comes with a dual

Choosing the Right 1G SFP Transceivers for Your Network Upgrade

With the increasing range of applications, many 1G SFP transceivers are available. However, choosing the right 1G SFP modules for your specific requirements can be difficult. If you

1.25G 1310nm 20km 1x9 SC/ST/FC Optical Transceiver

1.25G single mode 1310nm 20km 1x9 SC/ST/FC Optical Transceiver Manufacturer,Affordable Factory Price,5-Year Warranty&Money-back Guarantee.

1G 1310nm-TX/1550nm-RX 80km BiDi SFP ZX Module

1G 1310nm-TX/1550nm-RX 80km BiDi SFP ZX Transceiver at Affordable Factory Price,5-Year Warranty & Money-back Guarantee.

The Power of 1G Optical Modules: How They Enhance Your Network ...

Elevate your network''s performance with 1G optical modules. Learn how these modules work and the advantages of upgrading to them.

SFP-1GSXLC Moxa Compatible SFP | €5.13 | EDGE

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Moxa SFP-1GSXLC compatible 1000BASE-SX SFP. 850nm, 550m OM2 MMF, DDM, 0 to 70°C. EU stock + lifetime warranty. €5.13.

Single Fiber 80 km SFP Optical Transceiver: Ciena...

Ciena XCVR-080U55 is SFP Single Fiber Transceiver supporting 1.063-1.25Gbps data rate in 80 km distance over Single-Mode Fiber (SMF).

1g optical receiver with return path

About 1g optical receiver with return path Modern telecommunications depend on 1g optical receiver with return path as basic building blocks for fast data transfer over great distances. These devices and

Generic SFP1G-SX-85 Compatible 1000BASE-SX SFP 850nm 550m

Generic SFP1G-SX-85 Compatible 1000BASE-SX SFP 850nm 550m Transceiver supports 1G gigabit Ethernet throughput over multimode fiber (MMF) with LC connector.

1G SFP LX Optical Transceiver Module, Compatible with

About this item 1000BASE-LX Transceiver Module,Compatible with Fortinet Optical Gigabit Ethernet Transceiver Module Single Mode 1310nm LC Duplex Connector DDM 20km /10km Wide

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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