

Single-mode 4-port fiber optic transceiver



AI Overview

The FIBERHOME OL100CL-14B-14 is a single-mode fiber optic transceiver featuring one optical port and four electrical Ethernet ports, supporting gigabit speeds for enterprise and industrial networks.

Key Features

- Optical Interface:** Single-mode, single-fiber connection for long-distance communication.
- Electrical Ports:** Four gigabit Ethernet outputs for multipoint network distribution.
- Performance:** Supports stable, high-speed data transmission over single-mode fiber, ideal for enterprise networks, FTTH/FTTB deployments, data centers, and smart city infrastructure.
- Integration:** Compatible with routers, switches, and network interface cards, enabling seamless fiber-to-Ethernet conversion.
- Industrial Grade:** Designed for reliable operation in commercial and industrial environments, ensuring minimal signal degradation across multiple devices.

Purchase Requirements: Minimum order quantity of 2 units for deployment.

Applications

- Enterprise Networks:** Extending fiber connections across campuses or office buildings.
- Data Centers:** Efficiently distributing network traffic from a single optical link to multiple devices.
- Smart City Infrastructure:** Supporting high-speed connectivity for IoT devices and municipal networks.
- Fiber-to-the-Home/Building (FTTH/FTTB):** Converting single-mode fiber signals to multiple Ethernet connections for end-user devices.

Additional Considerations

- Distance and Speed:** Single-mode fiber allows for long-distance transmission with gigabit speeds, making it suitable for links that exceed the reach of multimode fiber.
- Reliability:** Single-mode fiber transceivers are less susceptible to electromagnetic interference, providing secure and stable communication.
- Alternative Options:** Other multi-port fiber optic transceivers, such as the Altronix NetWaySP4PX, offer four 1Gb SFP ports with integrated power outputs, supporting both single-mode and multimode fiber, and hybrid fiber-copper applications for PoE networks.

The FIBERHOME OL100CL-14B-14 provides a cost-effective, reliable solution for converting a single optical input into...

Article Content

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Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

Gigabit Fiber SFP Optical Transceiver Module

The Cisco QSFP-400G-FR4 module provides duplex single-mode fiber connectivity using LC connectors and wavelength multiplexing technology,

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

How to Choose the Right Fiber Optic Cable for Your Optical Transceiver ...

Learn how to choose the right fiber optic cable for SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, and OSFP optical transceivers. Avoid common fiber compatibility mistakes and improve

10G BiDi SFP+ TX1550nm/RX1490nm 70KM LC Optical Transceiver

Product Description□10G BiDi SFP+ 1490nm/1550nm 70KM LC Optical Transceiver
This high-performance bidirectional SFP+ transceiver delivers 10Gbps connectivity over 70km single-mode

Arista Optics Modules and Cables

All interface speeds, from 1G to 400GE have connectivity options that include Direct Attach copper Cables (DACs), Active Optical Cables (AOCs), multi-mode fiber and single-mode fiber transceivers.

SEL-2829 Single-Mode Fiber-Optic Transceiver/Modem

Improve safety, signal integrity, and reliability by using two optical fibers instead of wire to transfer bidirectional serial data using single-mode optical fiber.

1G SFP Transceivers | Mini-GBIC SFP Modules

FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T etc., from 100m to 160km, for

How do You Connect Fiber Optic Cable to SFP?

Learn how to connect a fiber optic cable to an SFP module correctly. Follow our step-by-step guide, avoid common mistakes, and troubleshoot connection issues.

1 Gigabit Singlemode SFP Fiber Optic Transceivers

Our 1 Gigabit Singlemode SFP Transceivers offer high-performance, reliable connectivity for singlemode fiber optic networks. These transceivers are

Catalog :: AV Distribution & Switching :: Extenders :: Fiber Optic ...

SFP1-SM-D is a fiber optic transceiver using 1310nm single-mode signals. These standard pluggable SFP optical modules have two LC connectors for reception and transmission over two strands of

SFP Optical Transceiver | SFP Optical Module | Perle

Perle SFP Optical Transceivers are hot-swappable, compact media connectors that provide instant fiber connectivity for your networking gear. They are a cost

1 Pair Fiber Video Optical transceiver 8 Channel Pure Video Optical ...

These Fiber optical video transceivers can simultaneously transmit 1-8 channels of 8-bit digitally encoded broadcast quality video / return or bidirectional data / unidirectional or bidirectional audio /

HOLIGHT Fiber Optic Manufacturer in China | Patch Cords

HOLIGHT is a global fiber optic manufacturer in China, providing patch cords, adapters, terminal boxes and FTTH solutions for worldwide telecom projects.

OM1-OM5 vs Singlemode Fiber: Best for 2025 Data

Compare OM1-OM5 and singlemode fiber for 2025 data centers and AI networks. Expert guide to choosing the right fiber type for high-speed

Hilink Optics QSFP QSFPDD OSFP 10G SFP

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers, we will give the professional solutions to you.

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Fiber Optic Equipment

4A 4B 3KM 8 SC Port 2 RJ45 Fiber Optic Media Converter 1000M Single Mode FTTH \$23.70-26.80 Min. Order: 1 piece Gigabit Fiber Media Converter 8 Fiber Optic Switch + 2 RJ45 Port SC 10/100/1000M

4 Port Gigabit over fiber Transceiver

A complete point-to-point solution for transmitting Gigabit Ethernet over a single strand of fiber. Ideal for industrial, security, and long-distance IP networking

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

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

Altronix Products

Altronix NetWaySP4P2 Fiber Optic Transceivers provide four (4) 1Gb SFP ports and four (4) ports for up to 120W per port (240W total power) to be transmitted over composite fiber (powered) cable (fiber +

XFP transceiver

Intel XFP Transceiver (MultiMode Fiber Optics) The XFP (10 gigabit small form-factor pluggable) is a standard for transceivers for high-speed computer

Fiber Optic Patch Cables: The Complete 2026 Buyer's

Confused by LC, SC, MPO, UPC, and APC? This complete fiber optic patch cable guide covers connector types, single-mode vs multimode,

Contact Us

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