

Ethernet cable RJ45 electro-optical converter module



Overview

An SFP to RJ45 module is a highly adaptable network optical transceiver that enables Ethernet connectivity over standard copper twisted-pair cables through an SFP port. Moxa's Ethernet to Fiber media converters feature innovative remote management, industrial-grade reliability, and a flexible, modular design that can fit any type of industrial environment. Gigabit fiber optic converter with SFP port for 1000Base-T, DIN rail mountable. military, avionics and other extreme industrial applications. Excalibur series Ethernet media converters consist of optoelectronic. Do you need to connect Ethernet equipment to a fiber optic link?

Our Ethernet fiber converters transform the optical signal into an electrical signal (and vice versa) — SFP already integrated No modules need to be purchased separately. Ethernet to fiber converters allow for long-distance transmission, and fiber to Ethernet converters take fiber signals back. This hardened media converter module allows a 10Base-T and 100Base-TX Ethernet signal conversion: 100Base-FX over 2 optical fibres. Transmission over 2 multimode up to 10 km or singlemode fibres up to 30 km by the same module. Its miniature stainless steel housing allows.



Article Content

Hot

Gigabit Fiber to Ethernet Media Converter Kit LC Single

Fiber to Ethernet Media Converter Kit is ready-to-mount and helps realize a quick and easy signal conversion of SFP and RJ45 between Point A to Point B.

Feb 03, 2026 Hot

ipolex Gigabit Multi-Mode LC Fiber to Ethernet Media Converter

About this item Seamless Conversion of LC Fiber to Copper – This fiber optic to ethernet media converter kit includes a multimode 1000BASE-SX SFP module (850nm), which enables you to

Sep 13, 2025 Hot

OFC Media Converter

The modules are directly compatible with NTSC, PAL, and SECAM camera systems and support RS-485, RS-232, and RS-422 data protocols. JTOPTICS Industrial

Jan 17, 2026 Hot

Compact media converter POF/HCS

The EL100-XS is a compact RJ45 Ethernet to fiber optic media converter for 10/100MB networks. By using multi mode fiber optic, the 100m range between

Oct 21, 2025 Hot

10/100/1000Mb/s Fiber Optic Media Converter Gigabit Ethernet ...

OPTICAL PORT: Gigabit Ethernet, SC Standard, 1310nm wavelength, Connect Singlemode Dual Fiber Cable, 40km Transmission Distance RJ45 PORT: 10/100/1000M, Full duplex-flow control, Half duplex

Nov 03, 2025 Hot

SFP to RJ45 Module Explained: Types, Benefits & Applications

What is SFP to RJ45. An SFP to RJ45 module is a highly adaptable network optical transceiver that enables Ethernet connectivity over standard copper twisted-pair cables through an SFP port. It

Mar 21, 2026 Hot

Media Converter RJ45 to Fiber

Media Converter RJ45 to Fiber Convert copper cable data communications to optical fiber cable data communication and display versa with a media converter. A

Dec 08, 2025 Hot

Fiber Ethernet Converter — Integrated SFP, PoE, 10G | Elfcam

Models 1 to 8 RJ45 ports, releases PoE for cameras and Wi-Fi access points, and converter 10G SFP+ for Freebox Ultra. Sold in set of 2 (1 pair), ready to plug in.

Feb 04, 2026 Hot

Gigabit Fiber to RJ45 Ethernet Media Converter Dongle,

Gigabit Fiber to RJ45 Ethernet Media Converter Dongle, Optical Singlemode 10km/Multimode 800m, PoE Powered, Compact Design, Metal Housing, Micro

May 04, 2026 Hot

Transform Gigabit RJ45 to Fiber Optic Using SFP Media Converters

However, fiber optic cable cannot link to the router directly. This video will tell you how to make the RJ45 port on the router to use with fiber optic cable.

Jun 23, 2026 Hot

Gigabit Fiber to RJ45 Ethernet Media Converter Dongle, Optical ...

FIBER TO ETHERNET MEDIA CONVERTER: Converts Gigabit fiber to RJ45 copper in a compact form factor; No SFP/Cat6 cables required; Conveniently PoE powered (802.3af or higher); Dimensions:

May 20, 2026 Hot

Ethernet to Fiber Media Converters, Extenders | FiberOptic.is

Trusted manufacturers of RoHS, ISO9001, CE, and FCC certified Ethernet to fiber optic media converters, extenders. Cost effective

Oct 01, 2025 Hot

Media converters

FO media converters for Ethernet and fieldbus enable you to convert your copper interfaces to interference-free fiber optics without the need for complex surge protection, shielding, and

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TP-Link Gigabit SFP to RJ45 Fiber Media Converter

Other features of this module include the ability to be used as a stand alone device (no chassis required) or with TP-LINK's 19" system chassis, Auto MDI/MDI-X for

Dec 17, 2025 Hot

10/100Mbps Rate RJ45 to Optic Fiber SC Ethernet

SC OPTICAL PORT: Fast Ethernet, SC Standard (1*9 module), 1310nm wavelength, Link Singlemode Dual Fiber Cable, 20km

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Choice 2 PACK EU Kit Gigabit SFP LC Multimode Module Fiber to RJ45 ...

With Trendyol , you will be able to purchase 2 PACK EU Kit Gigabit SFP LC Multimode Module Fiber to RJ45 Ethernet Media Converter Fiber Optic Tra Choice with very special discounts. Shop

Jul 03, 2025 Hot

Industrial Ethernet Media Converter 10/100 Mbps RJ45 /

This hardened media converter module allows a 10Base-T and 100Base-TX Ethernet signal conversion: 100Base-FX over 2 optical fibres. Half and full-duplex modes.

May 06, 2026 Hot

Media Converters (1000+ products) compare price now »

Media Converters are devices that enable the connection of different types of network media, such as copper and fibre optic cables. They help in extending network distances and integrating new

Nov 30, 2025 Hot

How to convert optical fiber to lan rj45?

To convert optical fiber to LAN RJ45, you will need a fiber to Ethernet converter. This device allows you to connect fiber optic cables to standard Ethernet devices such

May 23, 2026 Hot

Ethernet Media Converters

Moxa's industrial Ethernet media converters provide reliable and stable conversion of Ethernet data to fiber optic signals, even in harsh industrial environments.

Jan 07, 2026 Hot

Can You Use Fiber Optic Cable with RJ45? | Fiber vs

The short answer is no - RJ45 connectors are designed for electrical Ethernet signals, while fiber optics transmit light pulses through glass or plastic.

Dec 29, 2025 Hot

HMS Networks

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

Apr 12, 2026 Hot

Cisco Transceiver Modules

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

Jan 26, 2026 Hot

Fiber To Ethernet Converters: Multimode Fibers | SFP to RJ45

This QuickTreX® Gigabit SFP LC to RJ45 Fiber Optic to Ethernet Media Converter works with both singlemode or multimode fiber. Choose our multimode (850nm / 500m) or singlemode (1310nm /

May 06, 2026 Hot

Ethernet Media Converters

Mercury series Ethernet media converters consist of optoelectronic transmitter and receiver functions integrated along with the 10/100Base-TX to 100Base-FX or 1000Base-T electrical to 1000Base-SX

Apr 18, 2026

Contact Us

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