

ME60 Series

10/100BaseT(X) to 100BaseFX Single-Strand Fiber Converter

Features

- *Single-Strand Fiber Converters allow transmission and receiving over single strand fiber with WDM technology*
- *Media Conversion between 10/100BaseT(X) and 100BaseFX*
- *Supports 10/100BaseT(X) auto-negotiation*
- *Select TP port's cable connection by DIP Switch*



Overview

Using the fiber optic medium for Ethernet applications has become more popular due to fiber optic's excellent physical features, especially for long distance networks. However, fiber optic cable is very expensive, so if we can devise a solution that uses only 1 cable instead of 2, the infrastructure cost can be cut in half. This is where Moxa comes in. The Moxa ME60 Series provides a solution that reduces your expense by 50%!

The MOXA ME60 Series of Single-Strand Fiber Converters supports Wavelength Division Multiplexing (WDM) technology that allows two independent data communication channels to transmit and receive over one standard, single mode, fiber optic line. This not only doubles your existing bandwidth, but also effectively reduces your expense of new fiber optic infrastructure.

Specifications

Interface

RJ45 ports: 10/100BaseT(X)

Fiber ports: 100BaseFX (Only SC connectors available)

LED Indicators: Power, LNK/ACT, 100, FDX/COL

Technology

Standards: IEEE802.3/802.3u

Cable limitations

TP port: Cat.5 for up to 100 m

Optional: 8.3/125, 8.7/125, 9/125 μm (recommended) or 10/125 μm single-mode

Wavelength: TX: 1310, RX: 1550 nm for ME60A
TX: 1550, RX: 1310 nm for ME60B

Min. TX Output: -10 dBm

Max. TX Output: -7 dBm

Sensitivity: -32 dBm

Power

Input Voltage: 5 VDC

Input Current: 1A

Mechanical

Dimensions (D x W x H): 94 x 70.3 x 26.2 mm

Environment

Operating Temperature: 0 to 50 °C

Ambient Relative Humidity: 5 to 90% (non-condensing)

Regulatory Approvals

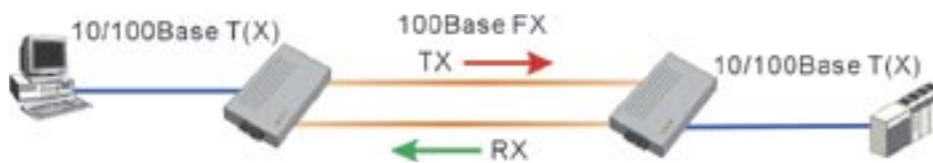
CE, FCC

50% cost saving for fiber optic infrastructures

With a set of ME60 series products (ME60A and ME60B), you can double the utilization of your existing, costly fiber optic cable, but save 50% of the cost of a newly installed fiber optic application.

General Media Converter Solution

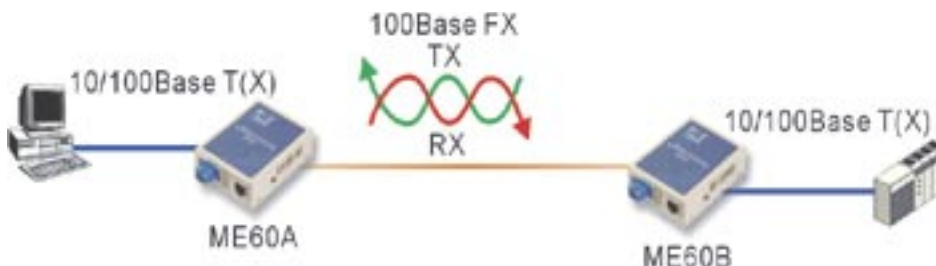
A general media converter requires a pair of fiber optic cables for data transmission and receiving.



TX/RX over a pair of fiber optic cables

Single-Strand Fiber Converter Solution

Wavelength Division Multiplexing (WDM) supports bi-directional data transmission and receiving using dual wavelengths (1310/1550 nm) over a single strand, of single-mode optical fiber.



TX/RX over one fiber optic strand

DIP Switch Setting

10/100BaseT(X) TP port cable selection.



- MPR (Default) to a Switch or Hub
- DTE to a workstation or NIC

Ordering Information

ME60A-S-SC 10/100BaseT(X) to 100BaseFX Single-Strand Fiber Converter, TX 1310 nm, RX 1550 nm, SC

ME60B-S-SC 10/100BaseT(X) to 100BaseFX Single-Strand Fiber Converter, TX 1550 nm, RX 1310 nm, SC

All items include User's Manual & Power Adaptors

* You must purchase both ME60A and ME60B, since these products work as a pair.