# ME61 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**
- **Supports Link Fault Pass-Through**
- **Powered by an external power adapter or USB port on hosting device**
- **TP port's connection speed and half/full mode are DIP Switch selectable**
- **Fiber connection's half/full duplex mode is DIP Switch selectable**

CE  FC

### Overveiw

The MOXA ME61 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 the cost of creating a 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:** IEEE 802.3/802.3u

**Cable Limitations**

**TP port:** Cat. 5 for up to 100 m

**Optional:** 8.3/125, 8.7/124, 9/125 $\mu$m (recommended) or 10/125 $\mu$m single-mode

**Wavelength:** TX: 1310, RX: 1550 nm for ME61A
TX: 150, RX: 1310 nm for ME61B

**Min. TX Output:** -10 dBm

**Max. TX Output:** -7 dBm

**Sensitivity:** -32 dBm

**Power**

**Input Voltage:** 5 VDC adaptor or USB port

**Input Current:** External Power Adaptor: 1A @ 5 VDC
USB Interface Power: 0.5A @ 5 VDC

**Mechanical**

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

**Environment**

**Operation Temperature:** 0 to 50°C

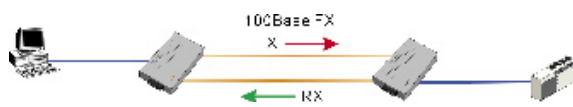**Ambient Relative Humidity:** 5 to 90% (non-condensing)

**Regulatory Approvals** CE, FCC

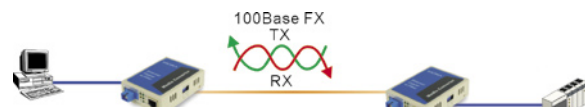### 50% cost reduction for fiber optic infrastructures

With a pair of ME61 series products (ME61A and ME61B), you can double the utilization of your existing, costly fiber optic cable, and save 50% on the cost of a newly installed fiber optic application.

**General Media Converter Solution**

**TX/RX over a pair of fiber optic cables**

**Single-Strand Fiber Converter solution**

**TX/RX over one fiber optic strand**

### Ordering Information

**ME61A-S-SC** 10/100BaseT(X) to 100 BaseFX Single-Strand Fiber Converter, TX 1310 nm, RX 1550 nm, SC

**ME61B-S-SC** 10/100BaseT(X) to 100 BaseFX Single-Strand Fiber Converter, TX 1550 nm, RX 1310 nm, SC

All items include a User's Manual & Power Adaptors

* You must purchase both ME61A and ME61B, since these products work as a pair.