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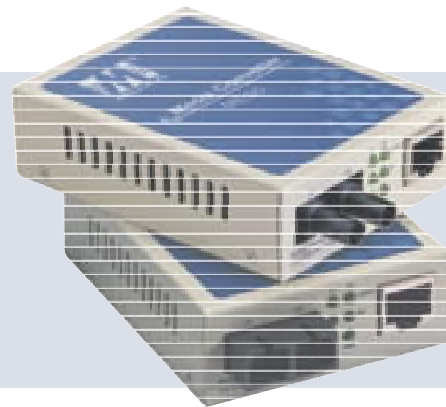
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ME50 Series

10/100BaseT(X) to 100BaseFX Fiber Converter

Features

- Supports 10/100BaseT(X) auto-negotiation
- Select TP port's cable connection by DIP Switch
- Select fiber connection's half/full duplex mode by DIP Switch



Overview

MOXA Media Converter is a standalone physical layer device that converts between 10/100BaseT(X) and 100BaseFX segments of the same network. The converter is designed with

a switch controller and memory buffer, providing smooth operation and data transfer between the two media.

Specifications

Interface

RJ45 ports: 10/100BaseT(X)

Fiber ports: 100BaseFX (SC, ST 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

Multi mode fiber: 50/125, 62.5/125, or 100/140 μ m multi mode fiber, 412 m for half duplex, 2 km for full duplex (ME50-M)

Single mode fiber: 8.3/125, 8.7/125, 9/125 or 10/125 μ m single mode fiber, 20 km for full duplex (ME50-S)

Wavelength: 1310 nm

Min. TX Output:

-19 dBm (ME50-M),

-15 dBm (ME50-S)

Max. TX Output:

-14 dBm (ME50-M),

-8 dBm (ME50-S)

Sensitivity:

-30 dBm (ME50-M),

-31 dBm (ME50-S)

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

DIP Switch Setting

100BaseFX Fiber port half/full duplex selection.



| | |
|--------------|-------------|
| FDX(Default) | Full-duplex |
| HDX | Half-duplex |

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



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

Ordering Information

ME50-M-SC: 10/100BaseT(X) to 100BaseFX media converter; multi mode, SC type fiber connection

ME50-M-ST: 10/100BaseT(X) to 100BaseFX media converter; multi mode, ST type fiber connection

ME50-S-SC: 10/100BaseT(X) to 100BaseFX media converter; single mode, SC type fiber connection

All items include User's Manual & Power Adaptor