

LV-MC0101F Series

Fiber Ethernet Media Converter, 10/100Base-TX Ethernet Port to 100Base-FX Fiber Port

Features



- Support 1 100Base-FX fiber port and 1 10/100Base-TX Ethernet port.
- Support IEEE802.3, IEEE802.3u fast Ethernet.
- Full and half duplex communication.
- Plug and play.
- Easy to read LED indicators.
- Includes external 5VDC power supply.

Introduction

LV-MC0101F fiber Ethernet media converter creates a cost-effective Ethernet to fiber link, transparently converting to/from 10Base-T or 100Base-TX Ethernet signals and 100Base-FX fiber optical signals to extend an Ethernet network connection over a multimode/single mode fiber backbone.

LV-MC0101F fiber Ethernet media converter supports a maximum multi mode fiber optic cable distance of 2km or a maximum single mode fiber optic cable distance of 120km, providing a simple solution for connecting 10Base-T/100Base-TX Ethernet networks to remote locations using SC/ST/FC/LC-terminated single mode/multimode fiber, while delivering solid network performance and scalability.

Easy to setup and install, this compact, value-conscious fast Ethernet media converter features auto-switching MDI and MDI-X support on the RJ45 UTP connections as well as manual controls for UTP mode, speed, full and half duplex.

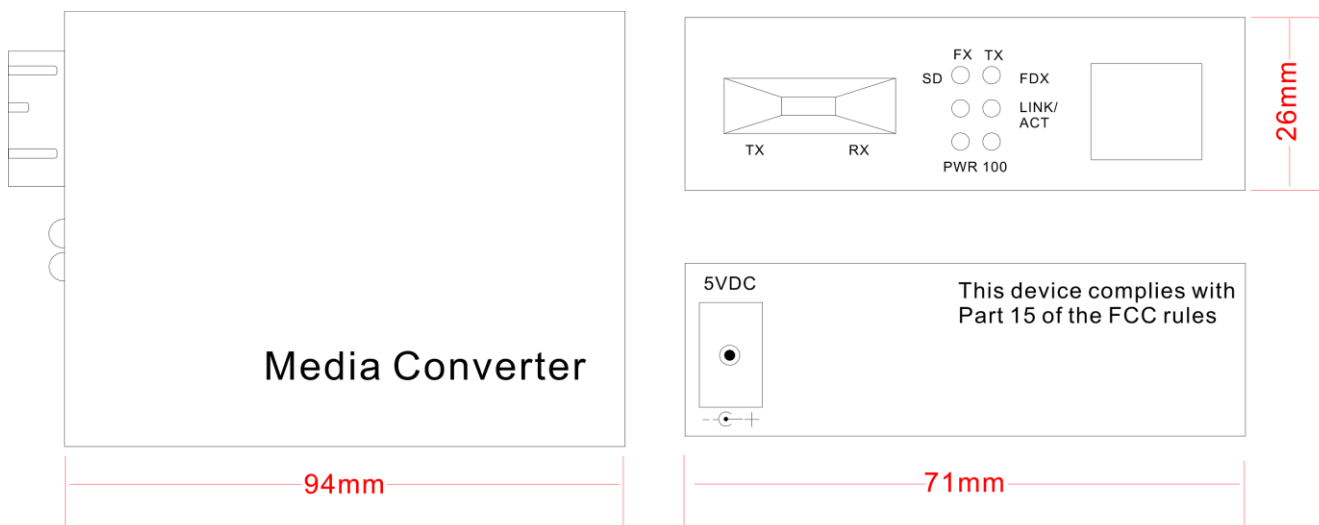
Specification

Protocol	IEEE802.3, IEEE802.3u fast Ethernet
Wavelength	Multimode: 850nm, 1310nm Single mode: 1310nm, 1550nm
Transmission Distance	Cat5/Cat5e: 100 meters Multimode: 2km Single mode: 20/40/60/80/100/120km
Ethernet Port	10/100Base-TX RJ45 port
Fiber Port	100Base-FX SC/ST/FC/LC port
Exchange Attribute	MAC Add.: 1 K Cache: 1 Mbit Full duplex state: flow control Half-duplex: back pressure mode Store and Forward: 9.6us Error Rate: <1/1000000000
Power Supply	Power Input: 5VDC Full Load: <2.5 W
Operating Environment	Operating Temperature: -10-70°C Storage Temperature: -10-70°C Storage Humidity: 5% to 90% non-condensing
Dimension	94*71*26mm(L*W*H)
Certification	CE, FCC, RoHS
Warranty	3-years

LED Indicator

Led Light	Function	State	Working
PWR	Power status	On	Power on
		Off	Power off
FX LINK/ACT	100Base-FX fiber port link status indicator light	On	Fiber connected
		Blinking	Data transfer
		Off	No connection
FX-FDX	100Base-FX fiber port operation	On	Full duplex
		Off	Half duplex
TX-100	Ethernet(RJ45) port mode	On	100Mbps
		Off	10Mbps
TX LINK/ACT	Ethernet(RJ45) port status	On	Ethernet connected
		Blinking	Data transfer
		Off	No connection
TX-FDX	10/100Base-TX Ethernet port operation	On	Full duplex
		Off	Half duplex

Dimension



Order Information

Model No.	Description of Goods
10/100M, Dual Fiber	
LV-MC0101F-SC-M	10/100M, SC, Multimode, Dual Fiber, 1310nm, 2Km, 5VDC
LV-MC0101F-SC-20	10/100M, SC, Single Mode, Dual Fiber, 1310nm, 20Km, 5VDC
LV-MC0101F-SC-40	10/100M, SC, Single Mode, Dual Fiber, 1310nm, 40Km, 5VDC
LV-MC0101F-SC-60	10/100M, SC, Single Mode, Dual Fiber, 1550nm, 60Km, 5VDC
LV-MC0101F-SC-80	10/100M, SC, Single Mode, Dual Fiber, 1550nm, 20Km, 5VDC
LV-MC0101F-SC-100	10/100M, SC, Single Mode, Dual Fiber, 1550nm, 40Km, 5VDC
LV-MC0101F-SC-120	10/100M, SC, Single Mode, Dual Fiber, 1550nm, 60Km, 5VDC
10/100M, Single Fiber	
LV-MC0101FW-SC-20	10/100M, SC, Single Mode, Single Fiber, 1310nm, 20Km, 5VDC
LV-MC0101FW-SC-40	10/100M, SC, Single Mode, Single Fiber, 1310nm, 40Km, 5VDC
LV-MC0101FW-SC-60	10/100M, SC, Single Mode, Single Fiber, 1550nm, 60Km, 5VDC
LV-MC0101FW-SC-80	10/100M, SC, Single Mode, Single Fiber, 1550nm, 80Km, 5VDC
LV-MC0101FW-SC-100	10/100M, SC, Single Mode, Single Fiber, 1550nm, 100Km, 5VDC
LV-MC0101FW-SC-120	10/100M, SC, Single Mode, Single Fiber, 1550nm, 120Km, 5VDC
SFP Slot	
LV-MC0101F-SFP	10/100M, SFP Slot (155Mbps SFP Transceiver is Optional), 5VDC