ET101Micro Series
ET111Micro Series

OT Systems

1-port 10/100Mbps Ethernet Media Converter (Single/Dual Fiber Operation)

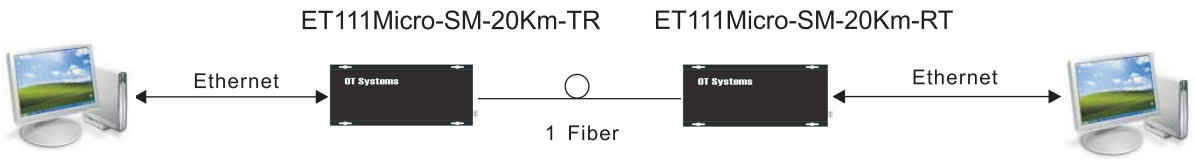
OT systems' new media converter ET Series offers an easy and affordable solution for network managers to connect 10/100 Fast Ethernet from UTP to fiber optic cabling. The media converter series uses a high performance auto-sensing exchange chip for full functionality of transfer and exchange, guaranteeing the safety and stability of data transfer. The media converters are available in both single-mode and multi-mode fiber along with auto-negotiation of MDI/MDI-X for easy installation.

This Microtype media converter occupies limited space for easy installation within most camera housings.

Features

- Converts 10/100Base-T to 100Base-FX
- MDI/MDI-X Auto-Crossover supported
- Auto-Negotiation or manual mode setting of speed and duplex mode.
- Power, network speed, network Tx & Rx status and optical Tx & Rx status LED indicators
- Single/Dual fiber(s) operation with SC, ST or FC fiber connector
- Distance up to 20km with single-mode fiber and 2km with multi-mode fiber
- Comply with IEEE 802.3 10/100Base-T and 100Base-FX standard.
- Store and forward switching mechanism
- Plug-and-Play
- 12VDC or 24VAC power
- Microtype fits within most camera housings
- Limited life time warranty

Typical Application



Ordering Information

Model	Description	No. of Fibers (Wavelengths)	Optical Power Budget	Max. Distance
	MULTIMODE (62.5/125 um)			
ET101Micro-MM-2Km	1 port 10/100Base-T to 100Base-FX Microtype	2 (1310nm)	14 dB	2 km
ET111Micro-MM-2Km-TR ET111Micro-MM-2Km-RT	1 port 10/100Base-T to 100Base-FX Microtype	1 (1310/1550 nm)	21 dB	2 km
	SINGLEMODE (9/125 um)			
ET101Micro-SM-20Km	1 port 10/100Base-T to 100Base-FX Microtype	2 (1310nm)	21 dB	20 km
ET111Micro-SM-20Km-TR ET111Micro-SM-20Km-RT	1 port 10/100Base-T to 100Base-FX Microtype	1 (1310/1550 nm)	19 dB	20 km

Accessories: ET-PA/12V. 12VDC power adapter included (US, European, UK or Australian power plug)
Options: SC type connector is standard. Please feel free to consult factory for FC/ST connector

NOTES: (1) Transmission distance will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network.
(2) Operating distance of multimode is limited by the characteristics of the fiber bandwidth.
(3) Power adaptor is manufactured by third party and is supplied with DC plug.
(4) Please feel free to consult factory for any special requirement and customisation

Specifications

Ethernet

Connector:	1 X RJ45
Standard:	IEEE802.3, IEEE802.3u
MAC Table:	2K
Cabling:	10Base-T: Cat5 or above 100Base-T: Cat5 or above
Maximum Distance:	10Base-T / 100Base-T Cat5 UTP : 100M
Switching Mechanism:	Store and forward switching mechanism
Data Rate:	Full Duplex: 20Mbps or 200Mbps Half Duplex : 10Mbps or 100Mbps
Forward and Filter Rate:	14,881pps(10Base-T) 148,810pps(100Base-T)

Optical

Connector:	SC(default), ST or FC
Cabling:	Multi-mode: 62.5/125u X 1 (or X2) Single-mode: 9/125u X 1 (or X2)
Maximum Distance:	Multi-mode: 2km Single-mode: 20km
Wavelength:	1310 nm (2 fibers) 1310 / 1550 nm (1 fiber)

Electrical and Mechanical

Power:	12VDC or 24VAC
Dimensions (HxWxD):	117.1 x 36.2 x 24.5mm
Weight:	0.12kg (Net) 0.22kg (Include power adapter)
LED Indicators:	Power, network speed, network Tx & Rx status and optical Tx & Rx status

Environmental

Operating Temp.:	-20℃ to +55℃
Storage Temp.:	-40℃ to +75℃
Relative Humidity:	0 to 95% non-condensing
MTBF:	> 100,000 hours

ISO 9001:2000
FM 88638

Lifetime Warranty