Mini 2-Port 10/100/1000BASE-T to 1-Port 100/1000BASE-X SFP Media Converter

Features

- ► Support 2-Port 10/100/1000BASE-T and 1-Port 100/1000BASE-X SFP
- ► DIP Switch for 100FX or 1000X SFP module supports on SFP slot
- ► DIP Switch for port isolation VLAN and Jumbo Frame function
- ► Auto-negotiation of Half-Duplex/Full-Duplex Transfer Mode
- ► Mini Size: Compact size designed dimensions 0.79''x2.36''x3.54'' (20x60x90mm)
- ► LEDs Indicate Ethernet and Fiber Link Status at a Glance
- ► Plug-and-play
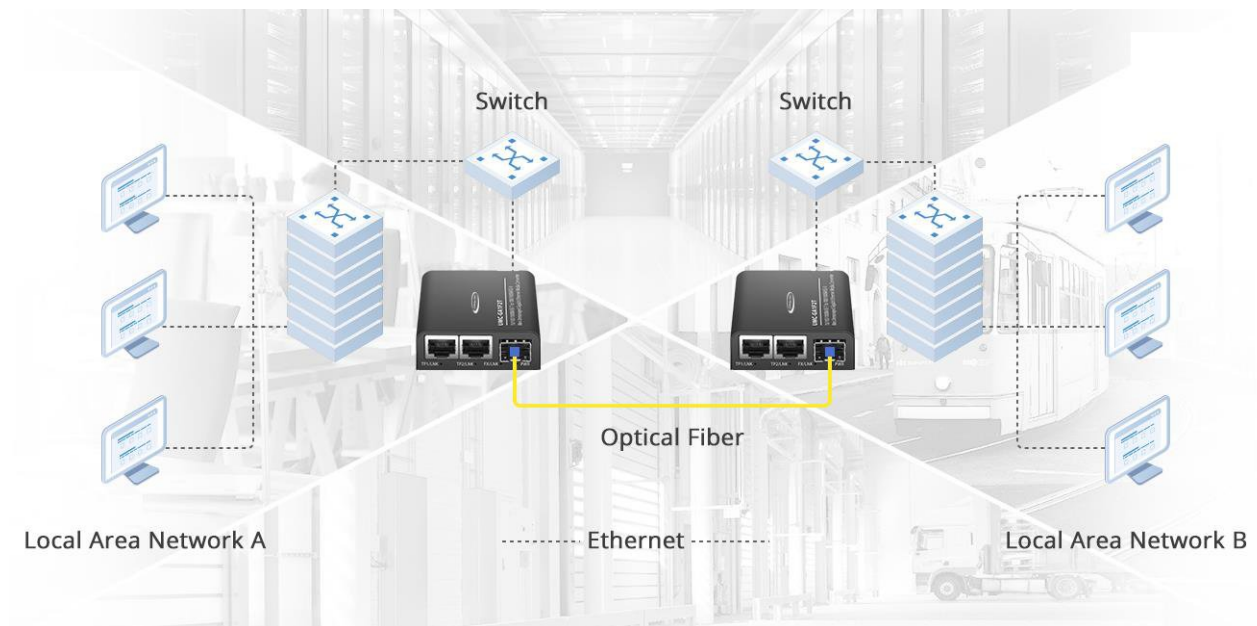- ► Support 1U 12 Slots Chassis & Stand-alone Use

Overview

The UF-M102G-SFP Mini 2-Port 10/100/1000BASE-T to 1-Port 100/1000BASE-X SFP Media Converter extends communication distance with the high performance of data transmission via fiber optic cable. with DIP switch, it can support 100FX or 1000X SFP module on SFP slot, also supports isolation VLAN and Jumbo Frame function. It can build the ISP network solution of FTTH or FTTC for ISPs and FTTBs, or for small office network environments of enterprises. We also supply Media Converter Chassis, the 1U height 12 slots media converter rackmount chassis specially designed for accommodating chassis-based mini Media Converters.

It is especially suitable for various broadband data networks such as telecommunications, cable TV, railways, military, financial securities, customs, civil aviation, shipping, power, water conservancy, oil fields, etc. and the fields that require reliability data or the establishment of a dedicated IP data transmission network. It is the construction of broadband Ideal equipment for campus network, cable TV and intelligent broadband residential fiber to building and fiber to home.
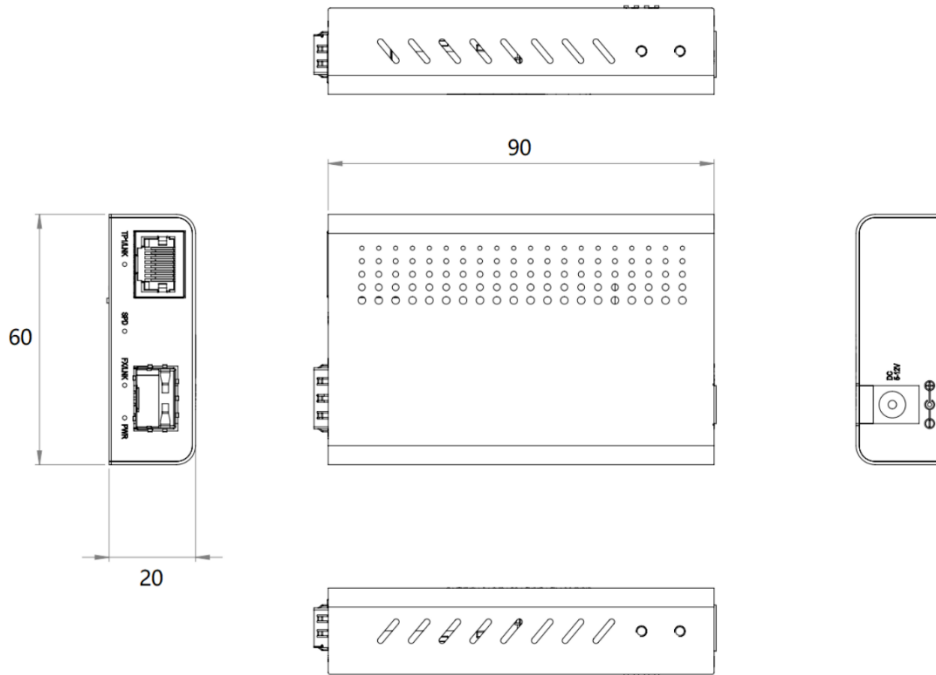
Application

Specifications

Hardware Specifications	
Standards:	IEEE 802.3 10BASE-T
	IEEE 802.3u 100BASE-TX/100BASE-FX
	IEEE 802.3ab 1000BASE-T
	IEEE 802.3z 1000BASE-SX/LX
	IEEE 802.3x Flow Control

Network Cables:	**Twisted-pair**
	10BASE-T: 2-pair UTP Cat3,4,5, up to 100 meters
	100BASE-TX: 2-pair UTP Cat 5, 5e up to 100 meters
	1000BASE-T: 4-pair UTP Cat 5e,6 up to 100 meters
	Fiber-optic Cable
	1000BASE-SX:
	  50/125 μm or 62.5/125 μm multi-mode fiber cable, from 220 and 550 meters to 2km.
	1000BASE-LX:
	  9/125 μm single-mode cable, with distance for 10/20/40/80/120km (vary on SFP module)
	100BASE-FX:
	  50/125 μm or 62.5/125 μm multi-mode fiber cable, up to 2km(vary on SFP module)
	  9/125 μm single-mode cable, with distance for 20/40/60km (vary on SFP module)

Conversion means	Store and forward/cut-through
BER	<10-9

MTBF	100,000 hours
Connector:	2 x 10/100/1000BASE-T RJ45
Optical Port:	1 x 100/1000Base-X SFP
DIP Switch:	Jumbo Frame (Optional) Port Isolation (Optional) FX Speed (Optional)
MAC Address	2K
Jumbo Frame	10K
Environmental	
Operating Temperature:	0°C to 55°C (32°F to 131°F)
Storage Temperature:	-10°C to 70°C (14°F to 158°F)
Relative Humidity:	5% to 95% non-condensing
Storage Humidity:	5% to 95% non-condensing
Electrical and Mechanical	
Input Power:	5~12V DC
Power Consumption:	3 watts/10 BTU (maximum)
LED Indicators	
PWR:	Power Status
TP1/LNK:	Link/ACT status at UTP port 1
TP2/LNK:	Link/ACT status at UTP port 2
FX/LNK:	U Link/ACT status at Fiber port
Dimensions (LxWxH):	90 x 60 x 20mm (3.54"x2.36"x0.79")
Weight:	160g (device only)
Casing:	Compact-sized metal case
Mounting Options:	Desktop, wall mountable Media converter Chassis installation
Regulatory Approvals	
CE, RoHS, FCC	

Order Information

Model	Description
UF-M102G-SFP	Mini 2-Port 10/100/1000Base-TX to 1-Port 100/1000BASE-X SFP Media Converter, excl. SFP modules, standalone, external power adaptor
Mounting Options:	► Desktop ►Media converter Chassis installation
Power Options:	►1A 5VDC Power Supply

Size (mm)

DIP Switch Function

No.	Function	Status	Description
1	Reserved	–	–
		–	–
2	Jumbo Frame	OFF	1500 Bytes
		ON	Up to 10K
3	Port Isolation	OFF	Disable
		ON	Enable
4	FX Speed	OFF	FX1000M
		ON	FX 100M