

# Mini 10G SFP+ to SFP+ OEO Fiber Converter 3R Repeater

## Features

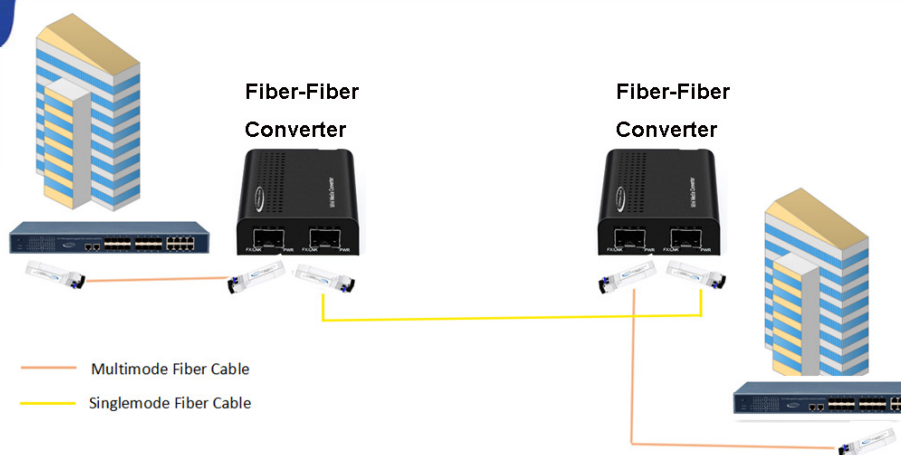
- ▶ SFP+ to SFP+ optical mode converter
- ▶ Support 10Gbase-SR/LR/ER/ZR/LRM to 10Gbase-SR/LR/ER/ZR/LRM
- ▶ Support 10Gbase LAN (10.3125 Gbps) and WAN (9.95328 Gbps)
- ▶ 3R function (Regeneration, Reshaping, Retiming)
- ▶ Short delay time when transparent transmission
- ▶ Support Jumbo Frame
- ▶ Support DMI (Diagnostic Monitoring Interface) function of optical transceivers
- ▶ Support 850nm, 1310nm, 1550nm and DWDM/CWDM wavelength ruled by ITUT
- ▶ Unit and Port LEDs allow for quick status information
- ▶ 5V~12VDC wide power supply voltage range
- ▶ Compact package size, easy installation
- ▶ Support 1U 12-slot Rack and Standalone use
- ▶ Plug and Play installation



## Overview

UF-10GFF-SFP Mini 10G Fiber to Fiber OEO Converter 3R Repeater provides a flexible transmission of various protocols, such as 1G/10G Ethernet, SDH STM16/STM64, OTU1/ OTU1e/OTU2/OTU2e, Fiber Channel 1/2/4/8/10, OBSAI, CPRI, etc. Using SFP+ ports with dedicated CWDM or DWDM wavelengths, the 10G Fiber to Fiber Converter 3R supports multi-rate functionality with optical data rates from 1Gbps up to 10Gbps. With its functionality transponder is also suitable as a repeater for transmission over extended distances. In addition, the use of state-of-the-art components greatly reduces the power requirements and heat dissipation factors over our previous transponders.

## Application



## Specifications

<b>Optical Fiber</b>	
Standards:	IEEE 802.3an 10GBASE-T
	IEEE 802.3ae 10Gbps Ethernet
	IEEE 802.3x full-duplex flow control
Flow Control:	Back pressure for half duplex
	IEEE 802.3x pause frame for full duplex
Protocol:	OC -3, OC -6, OC -12, STM-1, STM-4, STM-16, FC -1, FC -2, FC -4
Data Rate:	10Gbps
Equipment Function:	3R Repeater
Transmission Fiber:	Multi mode: 50/125, 62.5/125 or 100/140um; Single mode: 8.3/125, 8.7/125, 9/125 or 10/125um;
Wavelength:	Single mode: 1300nm, 1310nm, 1550nm; Multi mode: 1310nm, 1300nm, 850nm;
Optical Port:	FX1: 1 x 100/1000Base-X SFP FX2: 1 x 100/1000Base-X SFP
Transmission Distance:	Multi mode: 300m Single mode: 10-80km.
<b>Environmental</b>	
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
<b>Electrical and Mechanical</b>	
Input Power:	5~12V DC, 1A max.
Power Consumption:	Full-load<12W
LED Indicators	
PWR:	Power Status
FX/LNK:	Fiber Link Status
Dimensions (LxWxH):	90 x 60 x 20mm (3.54"x 2.36"x 0.79")
Gross Weight:	130g
Casing:	Compact-sized metal case
Mounting Options:	Desktop Media converter Chassis installation
<b>Regulatory Approvals</b>	
CE, RoHS, FCC	

## Order Information

Model	Description
UF-10GFF-SFP	Mini 10G SFP+ to SFP+ OEO Fiber Converter 3R Repeater
SFP Options:	▶ SFP option. Please select your SFP on our SFP Options Page
	▶ SFP module is to be purchased separately.
Mounting Options:	▶ Desktop, wall mountable (not including wall-mount bracket)
	▶ Media converter Chassis installation
Power Options:	▶ 1A 5VDC Power Supply

### Panel

