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FCC Warning

This Media Converter has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when this device is operated in a commercial environment. This device generates, uses, and can radiate radio frequency energy and may cause harmful interference to radio communications unless installed in accordance with this User's Guide. Operation of this device in a residential area is likely to cause harmful interference which will make the user responsible for the appropriate remedial action at his / her own expense.

CE Mark Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user will need to consider adequate preventative methods.

1. Checklist

The package should contain the following items:

- Media Converter
- AC-DC Power Adapter
- User's Guide

Please notify your sales representative immediately if any item is missing or damaged.

2. Overview

This is a two-port pluggable 10 Gigabit fiber-to-fiber media converter for a number of dissimilar 10 Gigabit fiber devices. It supports the media conversion at 10 Gigabit over link distance up to 300 meters with 10GBase-SR multi-mode fiber or 10GBase-LR single-mode fiber standards. To Deploy the bidirectional media converter, this Media Converter is required to individually connect 10Gbase-SR multi-mode device or 10Gbase-LR single-mode device, or in pairs at each end of long-distance fiber links. Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.

Features:

- 10G Fiber to Fiber full duplex conversion
- IEEE 802.3ae 10GBase-R
- LED indicators for link and power status
- 3R (Re-amplifying, Re-shaping, Re-timing) optical signal regeneration
- Support jumbo frame
- Full compatibility with 16 Slots Universal Media Converter Rack

3. Installation

- Attach proper single or multimode fiber cables from the ports on the Media Converter to the corresponding devices.

- Connect the power adapter to the Media Converter and check that the Power LED lights up. The FO1 and FO2 LEDs will light up when the light input is present.

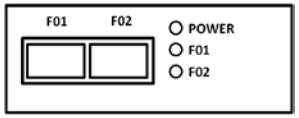

Fig.1 Front panel

Fig. 2 Rear panel

* *All pins of DIP Switch are reserved for future use.*

4. LED Description

LED	Color	Function
Power	Green	Power is available.
FO1/FO2	Green	Input is present.

5. Technical Specifications

Standards	IEEE 802.3ae, SFF-8431
Interface	2 x 10GBase-R SFP+
LED	POWER, FO1, FO2
Power	I/P AC 100-240V O/P DC 5V, 2A
Power Consumption	DC 4.3W; AC 5.8W
Shipping Weight	0.6KG
Dimensions	71mm(W)X94mm(D)X26mm(H)
Temperature	Operating: 0°~50°C; Storage: -20°~60°C
Humidity	5%~90% RH
Emission	Electrical: UL, CSA EMI: FCC Class A, CE

*Please contact us for further reports and updates.

Media	50/125, 62.5/125um multi-mode fiber 9/125, 10/125um single-mode fiber

FCU-5002-SFP+

10GBase-R Fiber Optics 10G SFP+ to 10G SFP+ Standalone Media Converter

User's Guide

V1.0

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