

## C-FMC-FX-SC

10/100Base-TX(RJ-45) to 100Base-FX(SC) MMF 1310nm 2km Media Converter

### Features

- Auto-adaptation 10Mbps and 100Mbps, convenient for network updating.
- With distinct IC IP113 HIC solution, low-temperature-rise chip, no need of cooling system, realization of flow control, decrease of broadcast storm.
- With optical-electronic-integration module providing excellent optical and electrical properties to ensure reliable data transmission and long working life.
- Supports broadcast filtering, address auto-learning and auto-updating, and store-and-forward operating mechanism.
- Supports full-duplex flow control or half-duplex backpressure working pattern, along with auto negotiation.
- Single RJ-45 electrical port NIC/HUB, auto cross-identification, link to computer network cards, switches or HUB.
- Supporting switch choice between 10/10Mbps store-and-forward and straight-through transmission pattern (distinct).
- With more than 50,000 hours MTBF, complying with telecom operating standard.
- Ultra-low power dissipation (<2.5W, Input: AC140~260V), low heat, and long stable work.
- Supports choosing optical ports from multimode (MM), single-mode (SM).



### Product Description

This is a media converter that converts a 10/100Base-TX(RJ-45) to 100Base-FX(SC) via a 1310nm multi-mode fiber (MMF) SC connector, which allows distance reach up to 2km. This provides a cost effective conversion from 10/100Base-TX(RJ-45) to 100Base-FX fiber, while extending the network reach beyond the 100m reach limitation of copper. Our media converters are 100% compliant for all of our networking needs. Now you have a cost effective solution to your network upgrade needs.

## Specifications

Parameter	Specification
Access Method	10/100Mbps
Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.1q, IEEE802.1p, and IEEE802.1d.
Wavelength	1310nm
Distance	Dual Fiber MM: 2km CAT5: 100m
Conversion Method	Media Conversion. Store-and-Forward/Straight-Through.
Mac Address Table	1K
Buffer Size	1Mbit
Flow Control	Duplex: Flow Control. Half Duplex: Back Pressure.
Time Delay	Store-and-Forward: 9.6 $\mu$ s. Straight-Through: 0.9 $\mu$ s.
BER	<1/1000000000
LED Indicator Lamps	TP 100, FX100, FX LiNK/ACT, TP LiNK/ACT, FDX, and Power.
Power Supply	AC/DC Power Adapter - 5V DC Input.
Power Dissipation	2.5W
Operating Temperature	0-50°C
Humidity	5-90% (Non-Condensing)
Storage Temperature	5-90%

## **About ProLabs**

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

## **Complete Portfolio of Network Solutions**

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

## **Trusted Partner**

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.

## **Contact Information**

ProLabs US

Email: [sales@prolabs.com](mailto:sales@prolabs.com)

Telephone: 952-852-0252

ProLabs UK

Email: [salesupport@prolabs.com](mailto:salesupport@prolabs.com)

Telephone: +44 1285 719 600