C-FMC-FX-2SC

10/100Base-TX(RJ-45) to 100Base-FX(SC) SMF 1310nm 20km 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 famous brand optical-electronic-integration module providing excellent optical and electrical properties to ensure reliable data transmission and long working life
- Supporting broadcast filtering, address auto-learning and auto-updating, and store-and-forward operating mechanism.
- Supporting 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 switches to cheese 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.
- Supporting 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 single-mode fiber (SMF) SC connector, which allows distance reach up to 20km. This provides a cost effective conversion from 10/100Base-TX(RJ-45) to 100Base-LX 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, IEEE802.1d
Wavelength	1310nm
Distance	Single Fiber SM: 20km 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: 9.6μs
BER	<1/1000000000
LED Indicator Lamps	TP 100, FX100, FX LiNK/ACT, TP LINK/ACT, FDX, Power
Power Supply	DC5V 1A (external power), AC220 0.5A/DC-48 (internal power)
Power Dissipation	<2.5W
Operating Temperature	0~50°C
Relative Humidity	5%~90% non-condescending
Storage Temperature	-40~70°C
Dimensions	25mm (H) * 70mm (W) * 93mm (D)

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.

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