Technical Specifications

Standards	IEEE 802.3, 802.3u, 802.3z, 802.3ab, 802.3ae, 802.3an
Connectors	SFP/SFP+ slot and RJ45 UTP ports – available on the LFC converters, AC power receptacle, DC power plug for installed power supplies
Power Requirements	AC 100-240V or DC 36~72V, 40W max. power consumption
Dimensions	485mm x 270mm x 44.5mm
Weight	3.2Kgs (~7lbs) with dual PS installed
Chassis material	Black PVD painted steel
Mounting	19" rack direct installation
Environmental Conditions	Operating Ambient Temperature: 0 to 50℃ Operating Humidity: Maximum 85%, Non-condensing Storage Temperature: -20 to 70℃ Storage Humidity: Maximum 90%, Non-condensing Indoor rated operating device
MTBF	80,000 hours

Warning

1. Use only indoors in climate-controlled environment.
2. Always load first the bottom row of media converters before occupying the top row. Installation on bottom row is difficult if a top row unit has been already installed.
3. Use only the AC 100-240V input or DC 36~72V input power supplies intended for the LFC-CH12 chassis

FCC and CE markings

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

This is a CE class B device, intended to be used in residential, commercial or industrial applications.

Fiber Media Converter Chassis

High density chassis for LFC series converters

LFC-CH12-AC
LFC-CH12-AD
LFC-CH12-DD

User's Manual

www.robofiber.com

Fiber Media Converter Chassis – LFC series

Ordering Information

LFC-CH12-AC 12 slot, 1RU 19" mountable chassis, single AC 100-240V power supply
LFC-CH12-AD 12 slot, 1RU 19" mountable chassis, 1x AC 100-240V and 1x DC36~72V redundant power supplies
LFC-CH12-DD 12 slot, 1RU 19" mountable chassis, 2x DC36~72V redundant power supplies

Overview

The LFC-CH12 series are high density fiber media converter chassis featuring redundant and hot-swappable power supplies. LFC-CH12 have one of the best aggregation designs, allowing for 12 converters in a single 1RU of space. Due to the minimal footprint of the LFC series converters 12 independent LFC series converters can be integrated in just 1RU of space. Reliability is highly ranked with an MTBF exceeding 65,000 hours.

LFC converters include various single and double RJ45 ports models for both Fast Ethernet and Gigabit Ethernet models as well as 10G fiber to copper or all fiber 10G OEO type converters. Package includes AC power cord for AC type power supplies and one User Manual.

Features

- Holds any LFC series Fiber Media Converters
- 12 slots available for media converters on two rows
- Redundant power supply bays
- Hot-swappable power supplies, any combination of AC 100-240V and DC 36~72V power input is allowed for the two power bays
- Dual LED power and fan indicators for front and back of the chassis
- 19" rack mountable
- 10G, Gigabit and Fast Ethernet media converters can be installed in the LFC-CH12 chassis, each converter must be secured with a set of metal brackets

Front and Rear views (fully loaded chassis)

LED Indicators (markings will vary with models)

	Function
FAN1, FAN2	Off – No fan operation; On (red) – Fan active
PWR1, PWR2	Off – No power available; On (green) – Power is present

Installation

1. Choose a flat secure surface with room for proper ventilation or install in a communication 19" rack using the mounting brackets.
2. Power up the unit using either AC input or DC input, according to power source. Observe PWR LED status indicating proper power to the unit.
3. Connect RJ45 UTP port using Cat5e or better cable to another Ethernet device. Make sure the TP LED indicates proper connectivity.
4. Insert a Gigabit or Fast Ethernet rated SFP transceiver into the SFP slot. Make sure the fiber transceiver used matches the fiber type (MM or SM) and also matches a similar optical transceiver at the other end of the fiber. Inspect FX LED for proper fiber link status.

Troubleshooting

1. No PWR light: verify proper power connections and check for voltage present. Check fuse inside power supply for continuity.