SSF-1RUME-12AC
Fiber Media Converter Chassis, 1RU

Manual

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FIBER MEDIA CONVERTER CHASSIS, 1 RU

Ordering Information

The **SSF-1RUME-12AC** is a 12 slot, 1RU 19" mountable chassis with a single AC 100-240V power supply.

This unit accommodates the following media converters:

- **SSF-SFP-RJ45-1G**

- **SSF-SFP-SFP-CON**

Overview

The SSF-1RUME-12AC accommodates 12 media converters within only 1RU of space. This carefully designed fiber media converter chassis features redundant and hot-swappable power supplies. The unit is highly reliable, with MTBF exceeding 65,000 hours.

The SSF-1RUME-12AC accepts SSF-SFP-RJ45-1G and SSF-SFP-SFP-CON media converters (sold separately).

Package includes: SSF-1RUME-12AC unit, media converter mounting brackets and screws, AC power cord for AC-type power supplies, user manual.

Features

- Holds SSF-SFP-RJ45-1G or SSF-SFP-SFP-CON media converters
- 12 slots available for media converters on two rows (6 per row)
- 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
- Can accept 10G, Gigabit, or Fast Ethernet media converters
- Each converter must be secured with a set of metal brackets

Front and Rear Views

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 19" communication 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.

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 media 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°C Operating Humidity: Maximum 85%, Non-condensing Storage Temperature: -20 to 70°C 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 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 SSF-1RUME-12AC 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.