



**RoHS compliant**  
**CL-MC-SFP-2 / Media Converter**  
**SFP to SFP**



### Overview

The SFP Mode converters allow network operators to incorporate multiple fiber types within a network. The SFP Mode converter provides the ability to accomplish this by working with existing equipment and thus, eliminating replacement costs. With the flexibility to convert fiber between single-mode, multi-mode, single-strand and CWDM wavelengths, one can easily extend network range to reach more remote locations. Additionally, since the Mode Converter is an Industrial Equipment device, the unit operates in environments that demand extended operating temperatures.

### Checklist

Before you installing the Converter, verify that the package contains the following☐

1. The SFP Media converter.
2. AC Power Cord.
3. This User's Manual.

Please notify your sales representative immediately if any of the aforementioned items is missing or damaged.

### Features

1. Interface: 2×SFP slot
1. Supports link fault pass through function (LFP)
2. Power supply parameter: outside: 5V DC 2A  
built-in: 110-265V AC
3. Environmental temperature: 0°C-60 °C
4. Dimensions:

External power supply: 26mmx 71mm x 94mm

### Ordering Information

PART NUMBER	VOLTAGE	TEMPERATURE
CL-MC-SFP-2	+5V DC/200V/110V AC	0°C to 60 °C



### LED Description

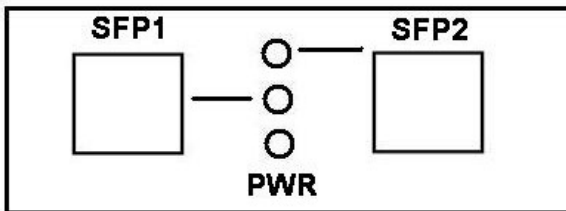


Fig 1 Front View of Gigabit Converter

P1	Lit when SFP1 connection is good.
P2	Lit when SFP2 connection is good.
PWR	The indicator light means power work normally

### Installing the Converter

1. Attach fiber cable from the Converter to the fiber network.. The fiber connections must be matched: transmit socket to receive socket.
2. Attach a UTP cable from the TP network device to the RJ45 port on the Converter.
3. Connect the power cord to the Converter and check that the Power LED lights up. The TP Act and FX Act LEDs will light when all the cable connections satisfactory.

### Features and Benefits

#### Cost-effective and flexible

- Interchangeable SFP modules allow for multiple



**RoHS compliant**  
**CL-MC-SFP-2 / Media Converter**  
**SFP to SFP**

fiber mode/type conversion options (single mode, multi-mode, long haul, short haul, etc.)

- Extended operating temperatures
- Multiple mounting options
- Compact size conserves space
- AC or DC power options

**Protocol-Independent**

- Supports a full range of SFP modules offering various transmission speeds, from 10Mbps to 2.5Gbps

- Supports OC3,OC12,OC48

**Maximizes network uptime**

- SFP Modules are hot-Swappable; no need to power-down chassis when upgrading or trouble-shooting a single module

**Troubleshooting features:**

- Diagnostic LEDs
- \*Both SFPs used in the Mode Converter must support the same data rate.

**Technical Specifications**

The Converter conforms to the following standards:

- Includes two SFP ports
- Protocol-independent operation
- Converts between dissimilar fiber modes and Wavelengths
- Includes diagnostic LEDs
- Hot-swappable architecture Small Form Factor
- Supports an external 5VDC power module
- Extended temperature range from 0°C to 50°C
- Can use all standard MSA compliant SFP devices
- Provides Extensive Diagnostic LED function



**RoHS compliant**  
**CL-MC-SFP-2 / Media Converter**  
**SFP to SFP**

**Standards Compliance:**

- SFP-MSA SFP standard
- SFF-8472 DDMI standard

**Power Requirement:** 5VDC@1A

**Ambient Temperature:** 0 ° 50°

**Humidity:** 5% ° 90%

**Dimensions :** 26×71×93mm@H×W×D

**Eye Safety Mark**

The LM2 series multimode transceiver is a class 1 laser product. It complies with EN 60825-1 and FDA 21 CFR 1040.10 and 1040.11. In order to meet laser safety requirements the transceiver shall be operated within the Absolute Maximum Ratings.

**Caution**

All adjustments have been done at the factory before the shipment of the devices. No maintenance and user serviceable part is required. Tampering with and modifying the performance of the device will result in voided product warranty.

**Required Mark**

Class 1 Laser Product  
Complies with  
21 CFR 1040.10 and 1040.11

Note : All information contained in this document is subject to change without notice.