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.

Main Features

Cost-effective and flexible

- Interchangeable SFP modules allow for multiple 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

Maximize 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.

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.
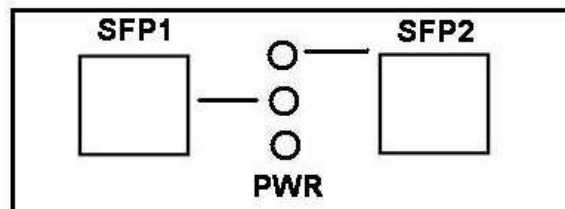
Led Description

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.

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 0^0 to 50^0
- Cam use all standard MSA compliant SFP devices
- Provides Extensive Diagnostic LED function

Standards Compliance:

- SFP-MSA SFP standard
- SFF-8472 DDMI standard
- Power Requirement: 5VDC，1A
- Power Consumption: <3W
- Ambient Temperature: 0 ～ 50^0
- Humidity: 5% ～ 90%
- Dimensions：26×71×93mm（H×W×D）

GUARANTEE:

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