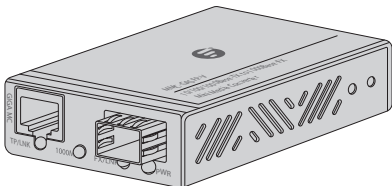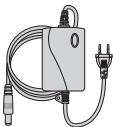MMC-GASFP-V

MINI UNMANAGED ETHERNET MEDIA CONVERTER

Quick Start Guide V1.0

Introduction

Thank you for choosing FS Mini Unmanaged Ethernet Media Converter. This guide is designed to familiarize you with the layout of the media converter and describes how to deploy it in your network.
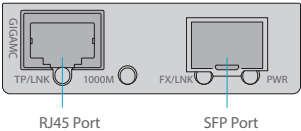
Accessories

Power Adapter x1

NOTE: The power adapter will be packed according to the plug standard of different regions. This picture is for reference only. Please refer to the product received.
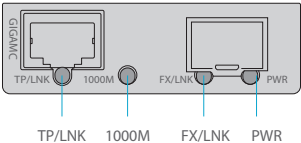
Hardware Overview

Front Panel Ports

RJ45 Port   SFP Port

Ports	Description
RJ45	10/100/1000Base-T RJ45 port for Ethernet connection
SFP	Hot swappable SFP port for 1G fiber connection

Front Panel LEDs

TP/LNK   1000M   FX/LNK   PWR

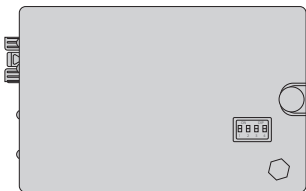| LED	Status	Description
TP/LNK	Green	Link through copper port is successfully established.
	Blinking Green	Copper port is actively sending or receiving data.
	Off	Copper port is linked down.

LED	Status	Description
1000M	Green	Copper port is operating at 1000Mbps.
	Off	Copper port is operating at 10/100Mbps.
FX/LNK	Green	Link through fiber port is successfully established.
	Blinking Green	Fiber port is actively sending or receiving data.
	Off	Fiber port is linked down.
PWR	Green	Power is detected.

Rear Panel
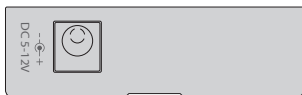
Bottom Panel (DIP Switch)

NO	Function	Status	Description
1	LFP Function *	OFF	Disable
		ON	Enable
2	ALS Function (Only for SFP) **	OFF	Disable
		ON	Enable
3	FX Reset ***	OFF	Disable
		ON	Enable
4	FX Speed Set	OFF	FX 1000M
		ON	FX 100M/1000M

* LFP (Link Fault Pass Through) Function: If enabled, when a device is connected to the converter and the TP/fiber line loses the link, the converter's fiber will disconnect the link of transmit.

** ALS (Automatic Laser Shutdown) Function: If enabled, the output power of the SFP transmitter will be automatically shut down in case of fiber break.

*** FX Reset: If enabled, when FX link is down, the power will shut down, but a few second later the power will restart automatically.

Site Environment

- Do not operate it in an area that exceeds an ambient temperature of 40℃.

- The installation site should be well ventilated.

- Be sure that the Media Converter is level and stable to avoid any hazardous conditions.

- Do note install the equipment in a dusty environment.

- The installation site must be free from leaking or dripping water, heavy dew, and humidity.
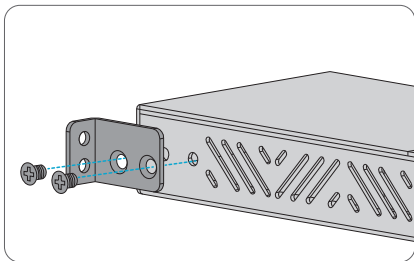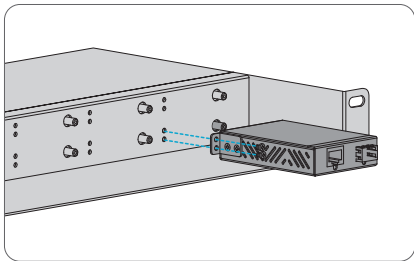
Installing

Desk Mounting
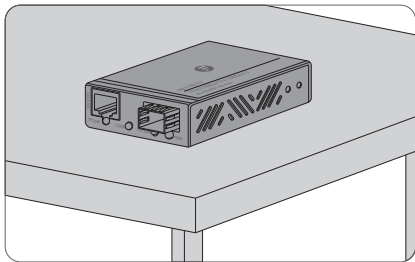
Place the media converter on a flat, secure surface (such as a desk), leaving ample space around it for ventilation.
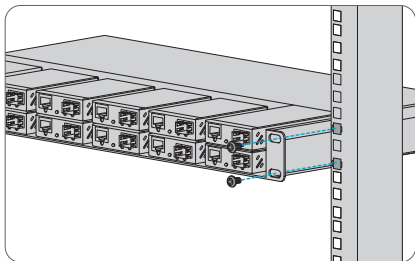
Rack Mounting (Use with MFMC-12DP 12 Slots Mini Media Converter Chassis)

1. Install the hanging ears on the left rear side of the media converter with two screws.
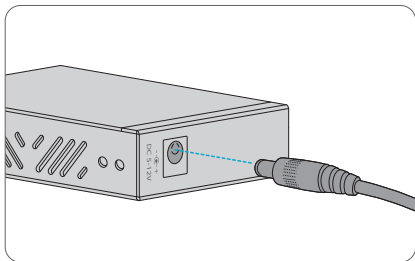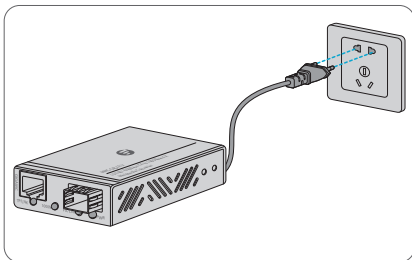

2. Install the media converters in the chassis in sequence (First install the lower level, then the upper level). Each media converter can be fixed tightly in the chassis by two screws.
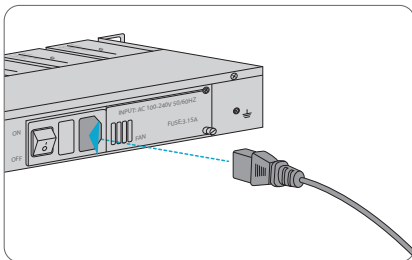
3. Place the chassis into the rack. Align the brackets to the side holes on the rack and use the rack screws to secure the chassis to the rack.
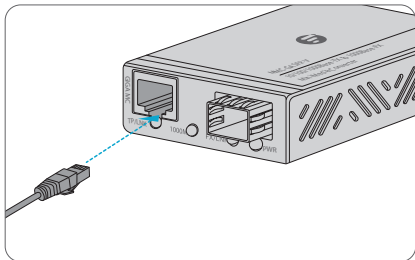
Connecting to the Power

1. Desk Mounting: Connect the power adapter to the media converter and verify that the Power LED lights up.
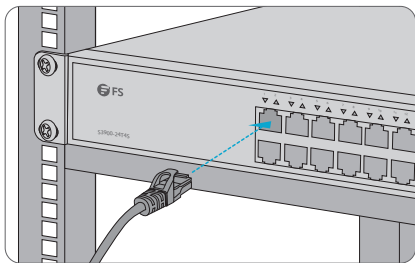

2. Rack Mounting: Connect the power cord to the media converter chassis and verify that the Power LED lights up.
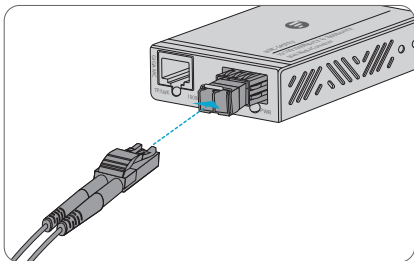
Connecting to the RJ45 Port

1. Connect an Ethernet cable to the RJ45 port of the media converter.

2. Connect the other end of the Ethernet cable to the network device (switch, PC, router, etc.).

Connecting to the SFP Port

1. Insert an SFP module into the SFP slot.
2. Connect a fiber optic cable to the SFP module. Plug the other end of the fiber optic cable to the fiber network. TX and RX must be paired at both ends.

> **NOTE:** Both multimode and single mode cablings are supported. Make sure both side of the SFP module are with the same media type.

Troubleshooting

The per port LED is not lit

Check the cable connection of the Media Converter.

Performance is bad

Check the speed duplex mode of the partner device. The Media Converter usually runs in auto-negotiation mode. If the partner is set to half duplex, the performance will be poor.

Per port LED is lit, but the traffic is irregular

Check that the attached device is not set to dedicate full duplex. Some devices use a physical or software switch to change duplex modes. Auto-negotiation may not recognize this type of full-duplex setting.

The Media Converter doesn't connect to the network

Check per port LED on the Media Converter. Make sure the cable is installed properly. Make sure the cable is the right type. Turn off the power. After a while, turn on the power again.

Online Resources

- Download   **https://www.fs.com/download.html**

- Help Center   **https://www.fs.com/service/help_center.html**

- Contact Us   **https://www.fs.com/contact_us.html**

Product Warranty

FS ensures our customers that any damage or faulty items due to our workmanship, we will offer a free return within 30 Days from the day you receive your goods. This excludes any custom made items or tailored solutions.

Warranty: FS Ethernet Media Converter enjoys 2 years limited warranty against defect in materials or workmanship. For more details about warranty, please check at
https://www.fs.com/policies/warranty.html

Return: If you want to return item(s), information on how to return can be found at
https://www.fs.com/policies/day_return_policy.html