

# Model MC721MG-1

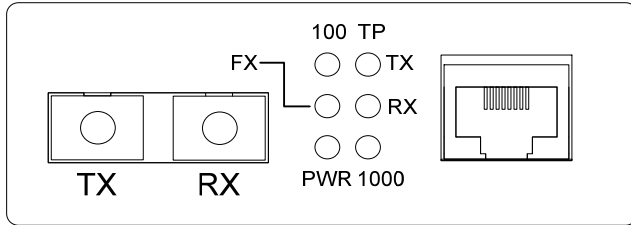
## Gigabit 1000Base FIBER MEDIA CONVERTER

# Installation and Operation Manual

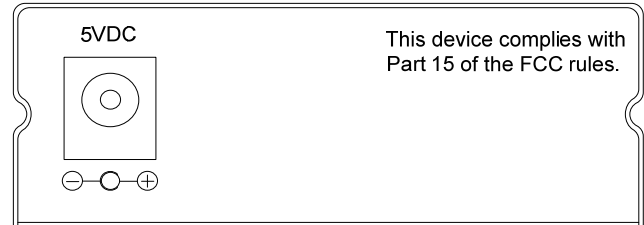
### Introduction

The MC721MG-1 auto-negotiating Fast Ethernet Media Converter set which is designed to translates 1000Base-TX copper and 1000Base-FX fast Ethernet fiber cabling. The Media Converter enables you to extend the distance of your Gigabit Ethernet network up to 500 meters over Multi-Mode fiber.

The Converters are equipped with [1] duplex SC fiber connector transmit data over two fibers up to 500 meters. Six LED indicators are built in for easy monitoring and system diagnostics for power, fiber and UTP, link and activity.



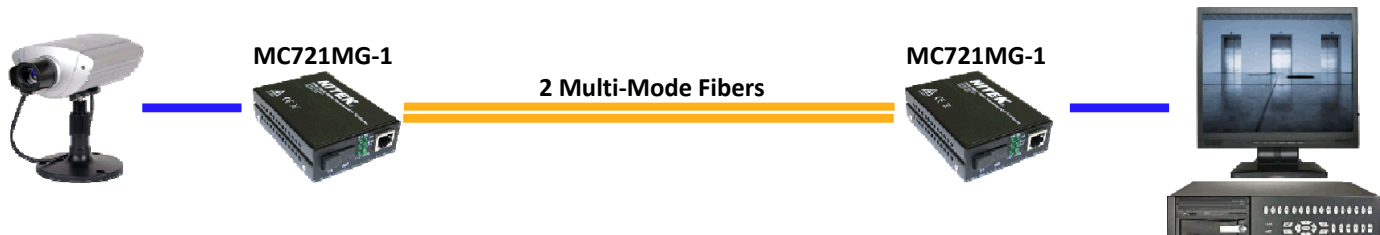
**Front Panel**



**Rear Panel**

LED Indicators		
LED	Color	Function
TP 100	Green	Lit when TP speed is 100Mbps
TP1000	Green	Lit when TP speed is 1000Mbps
TP TX	Green	Lit when TP data is transmitting
TP RX	Green	Lit when TP data is receiving
FX/Link Act	Green	Lit when fiber connection is made Blinks when data transfer is active
PWR	Green	Lit when 5 Volt DC power is applied

### MC721MG-1 Fiber Media Converter Installation Drawing



### Installing the MC721MG-1 Fiber Media Converters

Refer to the above diagram when installing. Use best industry practices and follow all local building codes.

- 1) Connect a network patch cable from the network equipment's Ethernet s to the receiver.
- 2) Connect a Single Mode fiber cable between the transmitter and the receiver using SC fiber connectors.
- 3) Connect a network patch cable from the transmitter's Ethernet jack to the remote IP device (IP camera in this example).
- 4) Connect the supplied power transformers to the transmitter and receiver.

### Trouble Shooting

(Continued on Page 2)

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**Trouble Shooting**

1. Is the Power LED on the media converter illuminated?

Answer—No

- Check to insure power adapter is properly connected to the media converter and the power outlet.
- Is the correct 5vold DC adapter that was supplied with the unit being used?
- Contact tech support at (800) 528-4343

2. Is the FX/ACT illuminated?

Answer—No

- Check the Fiber connection to the media converter.
- Check the SC fiber connector is clean and properly connected to the fiber cable
- Contact tech support at (800) 528-4343

3. Is the TX/ACT illuminated?

Answer—No

- Check the network connector for proper termination.
- Check to insure the network is transmitting data.
- Contact tech support at (800) 528-4343

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