



ALL-MC109-SFP+ Media Converter 10G Base-T to 10 Base-R



Quick Installation Guide

CE Mark Warning

These are Class A products. In a domestic environment these products may cause radio interference in which case the user will need to consider adequate preventative methods.

1. Packing list

The box should contain the following items:

- The ALL-MC109-SFP+ Media Converter
- AC-DC Power Adapter (for external models) or Power Cord (for internal models)

Please notify your sales representative immediately if any items are missing or damaged.

2. Overview

10G Base-T to 10G Base-R Media Converter supports two types media for network connection such as 10GBase-T and 10GBase-FX. The bridge media converter is designed with a 10Gbase Ethernet PHY chip that connects two types segments operation smoothly. This converter can be used as standalone unit or as slide-in module to the 19" converter rack Chassis for use at a central wiring closet.

Features:

1. Standards:

IEEE802.3 10BaseT, IEEE802.3U 100BaseTX, IEEE802.3ab 1000BaseT, IEEE802.3bz 2,5G/5G BaseT, IEEE802.3an 10GBaseT and IEEE802.3ae 10G over Fibre.

2. Network Ports:

1x 10/100/1000BaseT/2,5G/5G BaseT/10G BaseT (RJ-45)
1x 10G BaseSX/LX SFP Module Slot

3. Media Supported:

1000BaseT: Cat5 UTP/STP Max. 100m
2,5G BaseT: Cat5e UTP/STP Max. 50m
5G BaseT: Cat5e UTP/STP Max. 50m
10G BaseT: Cat6a UTP/STP Max. 50m

4. Work Mode:

1000BaseT to 1000BaseX

2,5GBaseT to 2500BaseX

5GBaseT to 5GBaseR

10GBaseT to 10GBaseR

5. Power Supply:

12V DC

6. Power Consumption:

Max. 5W

7. Operation Temperature:

0 °C to 55 °C

8. Relative Humidity:

5% to 80% (non-condensation)

3. Installation

1. Insert a suitable mini-GBIC module into the SFP+ slot.
2. Attach fiber cable from the media converter to the fiber network. The fiber connections must be matched – transmit socket to receive socket, the TX, RX fiber cable must be paired at both ends.
3. Attach a UTP cable from the network to the RJ-45 port on the media converter.
4. Connect the power adapter to the media converter and check that the Power LED lights up. The Link ACT LEDs will light up when all the cable connections are satisfactory.

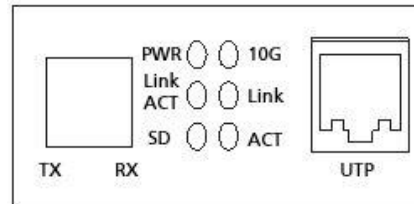


Table 1 : Frontpanel

4. LED Description

LED	Status	Describing
PWR	ON	Power is ON and normal.
	OFF	Power is failed.
FX Link/Act	ON	Connection status display for Fiber link. „On“ indicates that Fiber link is in correct connection.
	Blink	Active status display of Fiber link. „Blink“ indicates packets go through FX end.
SD	ON	Fiber signal is detected.
10G	ON	Transfer rate of electric interface is 10Gbps.
	OFF	Rate of electric interface is 10Mbps.
TX Link	ON	Connection status display for electric link. „ON“ indicates that electric link is in correct.
TX Act	Blink	Active status display of fiber link. „Blink“ indicates packets go through TX end.

Cautions:

1. This product is suitable for indoor application.
2. Put on the dust cover of fiber interface when not used.
3. It is forbidden to stare at the TX fiber-transfer end with naked eyes.

ALLNET GmbH Computersysteme declares that the device **ALL-MC109-SFP+** is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU. The Declaration of conformity can be found under this link: <http://ce.allnet.de/>

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