

10GbE Fiber Media Converter | Open SFP+ Slot

Product Diagram (MCM10GSFP)

Front View:



Port/LED	Function
1 SFP+ Slot	<ul style="list-style-type: none"> Connect an SFP+ to the Media Converter.
2 LEDs	<ul style="list-style-type: none"> Link <ul style="list-style-type: none"> Solid Green: Link speed of 10G Power <ul style="list-style-type: none"> Solid Green: Media Converter is receiving power.
3 RJ45 Port	<ul style="list-style-type: none"> Connect an Ethernet Network Device to the Media Converter. <p>Note: The LED Indicators on the RJ45 port are inactive.</p>

Rear View:



Port/LED	Function
4 5V DC Port	<ul style="list-style-type: none"> Connect the Universal Power Adapter to power the Media Converter.

Requirements

For the latest requirements, please visit www.startech.com/MCM10GSFP.

Installing the Media Converter

Connecting the Media Converter

1. Turn off the **Networking Equipment** that will be connected to the **Media Converter**.
2. Remove the **Dust Cover** from the **SFP+ Slot**.
3. Insert an MSA-compliant 10GbE SFP+ module (sold separately) into the **SFP+ Slot** on the **Media Converter**.

Note: The **Media Converter** can only be used with 10GbE SFP+ Module.
4. Remove the **Dust Cover** from the **SFP+ Module**.
5. Connect a **Fiber-Optic Cable** (sold separately) to the **Fiber-Optic Ports** on the **SFP+ Module**.
6. Connect the other end of the **Fiber-Optic Cable** to the **Fiber-Network Device**.

Note: For **Duplex Fiber Optic Cables**, the TX and RX connectors must be paired at both ends of the connection. For example TX to RX, and RX to TX.
7. Connect a **Cat 6/6a Cable** (sold separately) to the **RJ45 Port** on the **Media Converter**.
8. Connect the other end of the **Cat 6/6a Cable** to the **Ethernet Network Device**.

Powering the Media Converter

1. Connect the **Universal Power Adapter** to the **5V DC Port** on the **Media Converter**.
2. Connect the other end of the **Universal Power Adapter** to an **AC Electrical Outlet**. The **PWR LED** (power) should light up solid green.
3. Turn the **Networking Equipment** from step #1 back on.

Note: Check the link budget of your SFP+ modules, as well as the module's intended wiring distance. SFP+ modules are designed to transmit signals over large distances. If the physical wiring distance is too short, the transmitting optical signal (laser) may be too strong and damage the receiving SFP+ module. An in-line optical attenuator may be required to protect it from damage.

Warning: There may be a delay (up to 10 seconds) establishing a network connection when connecting the **Media Converter** to a **Network Device**.

Duplex Mode Support

The **Media Converter's RJ45 Port** supports 10G and will automatically negotiate the connection type. By default, it will automatically detect the link speed and the duplex mode of your connected equipment.

The **Media Converter's Fiber-Optic Port** (10GBase-LR/SR) allows 10G full duplex auto-negotiation. Check to ensure the duplex setting of the connected fiber equipment matches the duplex setting of the **Media Converter**.

Distance Capabilities

The distance capabilities of the **Media Converter** are variable and depend on the **SFP+ Module** and the **Fiber-Optic Cable** used.

Installing the Power Adapter Clip

1. Remove the **Power Adapter** from the box.
2. Locate the **Power Clip** specific to your region (e.g. U.S.).
3. Align the **Tabs** on the **Power Clip** with the **Slots** on the **Power Adapter** so that the **Contact Prongs** on the **Power Adapter** are vertical (one above the other).

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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4. Rotate the **Power Clip** clockwise until you hear an audible click indicating that the **Power Clip** is properly attached to the **Power Adapter**.

Removing the Power Adapter Clip

- While pressing the **Release** button turn the **Power Clip** counter-clockwise until the **Power Clip** is released.

Warranty Information

This product is backed by a two-year warranty.

For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

Limitation of Liability

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Safety Measures

- If product has an exposed circuit board, do not touch the product under power.

Misure de sécurité

- Si l'un des circuits imprimés du produit est visible, ne pas touchez le produit lorsqu'il est sous tension.

安全対策

- 製品に露出した状態の回路基盤が含まれる場合、電源が入っている状態で製品に触らないでください。

Misure di sicurezza

- Se il prodotto ha un circuito stampato visibile, non toccare il prodotto quando è acceso.

Säkerhetsåtgärder

- Rör aldrig vid enheter med oskyddade kretskort när strömmen är påslagen.

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