

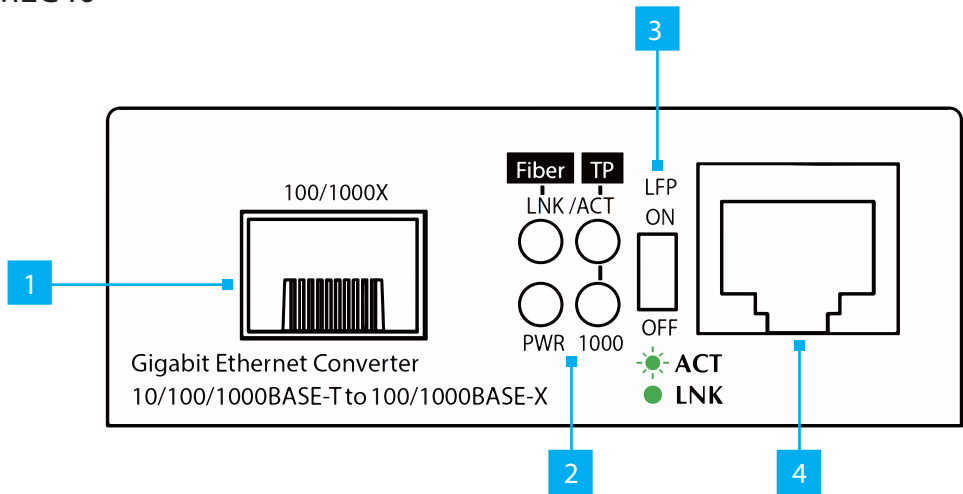
Gigabit Single Mode LC Fiber Media Converter

Product ID

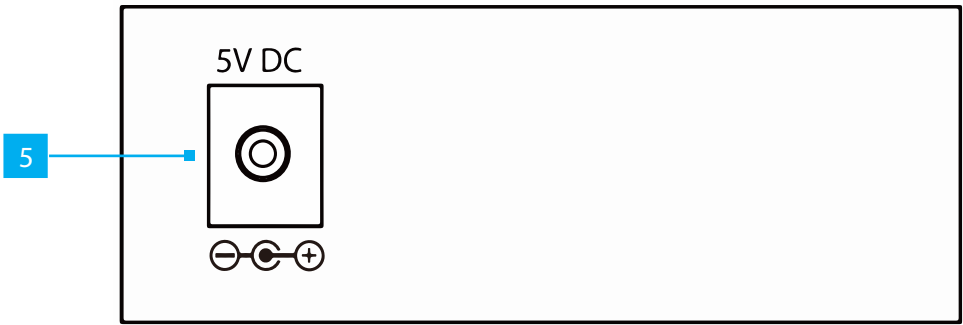
MCM1110SMLC20

MCM1110SMLC40

Front View



Rear View



\*Product may vary from image

|   | Feature        | Function                                                                                                                                      |
|---|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | SFP Slot       | • Connect an <b>SFP</b> to the <b>Media Converter</b> .                                                                                       |
| 2 | LEDs           | • Refer to <b>LED Chart</b> .                                                                                                                 |
| 3 | LFP Dip Switch | • Enable/disable <b>Link Fault Pass-Through</b>                                                                                               |
| 4 | RJ45 Port      | • Connect an <b>Ethernet Network Device</b> to the <b>Media Converter</b> .<br><b>Note:</b> The LED Indicators on the RJ45 port are inactive. |
| 5 | 5V DC Port     | • Connect the included <b>Universal Power Adapter</b> to power the <b>Media Converter</b> .                                                   |

Package Contents

- Media Converter x 1
- Universal Power Adapter x 1
- Quick-Start Guide x 1

## Requirements

For the latest manuals, product information, technical specifications, and declarations of conformance, please visit:

[www.StarTech.com/MCM1110SMLC20](http://www.StarTech.com/MCM1110SMLC20)

[www.StarTech.com/MCM1110SMLC40](http://www.StarTech.com/MCM1110SMLC40)

## LED Chart

| LED                        | Color | Description                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PWR</b>                 | Green | <ul style="list-style-type: none"> <li><b>Solid Green:</b> When +5V DC power is detected.</li> </ul>                                                                                                                                                                                                                                      |
| <b>Fiber LNK/ACT</b>       | Green | <ul style="list-style-type: none"> <li><b>Solid Green:</b> To indicate the link through fiber port is successfully established.</li> <li><b>Blinking Green:</b> To indicate the fiber port is actively sending or receiving data.</li> <li><b>Off:</b> To indicate that the fiber optic port is linked down.</li> </ul>                   |
| <b>BASE-T Port LNK/ACT</b> | Green | <ul style="list-style-type: none"> <li><b>Solid Green:</b> To indicate the link through TP port is successfully established.</li> <li><b>Blinking Green:</b> To indicate the port is actively sending or receiving data.</li> <li><b>Off:</b> To indicate that the copper port is linked down.</li> </ul>                                 |
| <b>1000 LNK/ACT</b>        | Green | <ul style="list-style-type: none"> <li><b>Solid Green:</b> To indicate that the copper port is operating at 1000Mbps.</li> <li><b>Blinking Green:</b> To indicate the port is actively sending or receiving data at 1000Mbps.</li> <li><b>Off:</b> To indicate that the copper port is linked down or operating at 10/100Mbps.</li> </ul> |

## Installing the Media Converter

### Connecting the Media Converter

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

1. Turn off the **Networking Equipment** that will be connected to the **Media Converter**.
2. Remove the **Dust Cover** from the **SFP Module**.
3. Insert a Gigabit SFP module (sold separately) into the **SFP Slot** on the **Media Converter**.
4. Connect a **Fiber Cable** (sold separately) to the **Fiber Ports** on the **SFP Module**.
5. Connect the other end of the **Fiber Cable** to the **Fiber-Network Device**.

**Note:** For **Duplex Fiber Cables**, the TX and RX connectors must be paired at both ends of the connection. For example TX to RX, and RX to TX.

6. Connect a **Cat6/6a Cable** (sold separately) to the **RJ45 Port** on the **Media Converter**.
7. Connect the other end of the **Network Cable** to the **Ethernet Network Device**.

### Powering the Media Converter

**Note:** Skip these steps if the **Media Converter** is installed in the **Media Chassis**.

1. Connect the included **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 on the connected **Networking Equipment** that was turned off in previous steps.

**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.

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



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