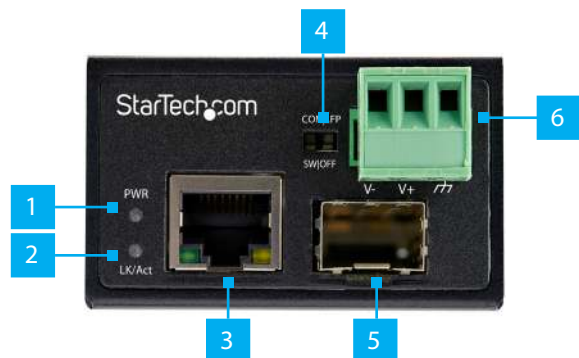


Industrial RJ45 to Open SFP Media Converter | Fast Ethernet 10/100 Mbps

Product Diagram (IMC100MSFP)



Component	Function
1 PWR LED	Green: An external DC Power Source is detected. Off: An external DC Power Source is not detected.
2 LK/Act LED	Green: Indicates that a link is detected on the SFP. Flashing: Indicates that data is being transmitted or received.
3 RJ45 Port	- Connect a Network Device to the Media Converter. Green: On: A network connection is detected. Flashing: The Media Converter is transmitting/receiving data. Amber: On: 100Mbps network speed detected. Off: 10Mbps network speed detected.

4 DIP Switch	DIP 1: Up: Enables converter mode. Down: Enables switch mode (default). DIP 2: Up: Enables Link Fault Pass-Through (LFP) function, LFP highlights link failures, by forcing a link down between both connections during a link failure. Down: Disables LFP function (default).
5 SFP Slots	Connect an SFP (100BASE-X) to the Media Converter.
6 3-Pin Terminal Block	Connect an external DC Power Source (12-56V DC Input) to the Media Converter.

Requirements

For the latest requirements, please visit www.startech.com/IMC100MSFP

- Network Equipment (ex. Router, Network Switch) x 1
- MSA-Compliant 100BASE-X SFP Transceiver Module x 1
- RJ45 Terminated UTP/STP CAT5e (or better) Network Cable x 1
- Terminated Fiber Optic Cable (dependent on SFP Module) x 1
- DC Power Source x 1
- Phillips Head Screwdriver x 1
- Small Flat Head Screwdriver x 1

Powering the Media Converter

Connecting and installing the **3-Wire Terminal Connector** must be completed by a licensed Electrician.

Notes: Make sure that you turn off the power source before connecting the power wire to the **Media Converter**.

Do not exceed the recommend power source voltage as it may result in personal or product damage.

1. Using a **Small Flat Head Screwdriver**, loosen the V- and V+ screws on the **3-Wire Terminal Connector** (included).

2. Connect the **Power Wires** from a **DC Power Source** (12 - 56V DC), or the provided **Barrel Power Connector Adapter**, to the proper **Terminal Block Connectors** on the **Media Converter**. The terminals are marked on the **Media Converter's Casing**. Connect the positive wire to V+ and the negative wire to V-.
3. Using a **Small Flat Head Screwdriver**, loosen the screw for the **Ground Connection** on the **3-Wire Terminal Connector**.
4. Connect the **Ground Wire** from an **Earth Ground Connection** to the **Ground Connection** on the **3-Wire Terminal Connector**.
5. Tighten the three screws on the **3-Wire Terminal Connector**.
6. Insert the **3-Wire Terminal Connector** in the **3-Wire Terminal Block** on the **Media Converter**.

(Optional) Barrel Connector

- Connect a **Type N (OD: 5.5 mm, ID: 2.5 mm) Barrel Connector** from a **Universal Power Adapter** to the **Terminal Block to Barrel Power Connector Adapter**.

Connecting the Media Converter

1. Connect a **CAT5e/6 Cable** to the **RJ45 Port** on the **Media Converter** and the other end to an RJ45 port on a **Network Device**.
2. Insert an **MSA-Compliant SFP Transceiver Module** (sold separately) into the **SFP Slot** on the **Media Converter**.
3. Remove the **Dust Cover** from the **SFP Module** and connect the appropriate cable (CAT5e/6 or Fiber).

Mounting

DIN Rail Mounting

1. Align the **DIN Rail Brackets** (x 1) with the **Mounting Holes** (x 4) on the side of the **Media Converter**.
2. Insert the **Mounting Screws** (x 3) through the **DIN Rail Bracket** and into the **Media**

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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 A digital apparatus complies with Canadian ICES-003.

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

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

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Converter.

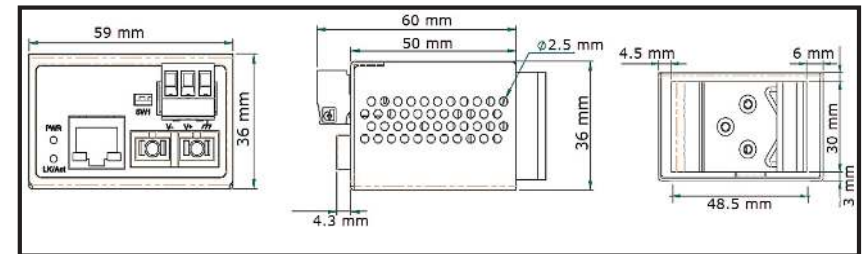
3. Using a **Phillips Head Screwdriver**, tighten the **Mounting Screws**. Be careful not to over-tighten the **Mounting Screws**.
4. Clip the **DIN Rail Bracket** onto a **DIN Rail**, securing the **Media Converter**.

Wall Mounting

It is recommended that you use **Wall Studs** when wall mounting the **Media Converter**.

1. Align the **Mounting Brackets** (x 2) with the **Mounting Holes** (x 4) on the side of the **Media Converter**.
2. Insert the **Mounting Screws** (x 4) through each of the **Mounting Brackets** and into the **Media Converter**.
3. Align the **Media Converter** on the wall in the position you want to mount the **Media Converter**.
4. Using a **Writing Utensil**, mark off both **Mounting Holes** on the **Media Converter**.
5. Using a **Level**, draw a line connecting the two **Mounting Holes**, making sure that the line is level.
6. Align the **Mounting Holes** on the **Media Converter** with the **Mounting Hole Marks**.
7. Insert the **Mounting Screws** (x 2) through the **Mounting Holes** on the **Media Converter** and into the **Wall**.
8. Using a **Phillips Head Screwdriver**, tighten the **Mounting Screws** until the **Media Converter** is securely fastened to the **Wall**.

Product Dimensions



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.

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