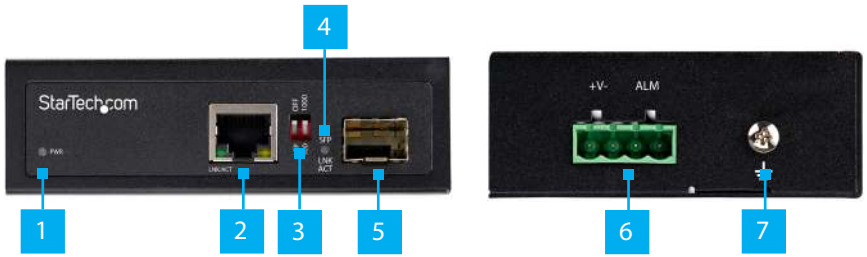
Industrial RJ45 to Open SFP Mini PoE Media Converter | 1000 Mbps (1G) | 60W

Product Diagram (IMC1GSFP60W)



Component		Function
1	PWR LED	• **Green:** An external **DC Power Source** is detected. • **Off:** An external **DC Power Source** is not detected.
2	RJ45 Port	• Connect a **Network Device** to the **Media Converter**. • **ON:** A **PoE Powered Device** (PD) is detected. • **Flashing:** The **Media Converter** is transmitting/receiving data.
3	DIP Switch	**DIP1:** This switch is currently not in use. **DIP 2:** • **Off:** Sets SFP speeds to 1000Mbps (default) • **On:** Sets SFP speeds to 100Mbps.
4	SFP LED	• **Green:** Indicates that a link is detected on the **SFP**. • **Flashing:** Indicates that data is being transmitted or received.
5	SFP Slot	• Connect an **SFP** (100/1000BASE-X) to the **Media Converter**.
6	4-Pin Terminal Block	• Connect an external **DC Power Source** (48-56V DC Input) to the **Media Converter**. • Connect an alarm or warning circuit to the relay (ALM) connection. The relay is triggered if the **Media Converter** loses power.
7	Ground Screw	• Connect a ground connection to the **Ground Screw** when connecting a **DC Power Source** to the **Media Converter**.

Requirements

For the latest requirements, please visit www.startech.com/IMC1GSFP60W

- Network Equipment (e.g. Router, Network Switch) x 1
- MSA-Compliant 100/1000BASE-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
- Small Flat Head Screwdriver x 1
- Phillips Head Screwdriver x 1
- Alarm or Warning Circuit x 1

Powering the Media Converter

Connecting and installing the **4-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 two screws (+V-) on the **4-Wire Terminal Connector** (included).
2. Connect the **Power Wires** from a **DC Power Source** (48 - 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. (Optional) Using a **Small Flat Head Screwdriver**, loosen the two screws (ALM) on the **4-Wire Terminal Connector**.
4. (Optional) Connect the **Relay Wires** from an **Alarm** or **Warning Circuit** to the **2 ALM Relay Pins** on the **Terminal Block Connector**.
5. Tighten the four screws on the **4-Wire Terminal Connector**.
6. Insert the **4-Wire Terminal Connector** in the **4-Wire Terminal Block** on the **Media Converter**.

7. Using a **Phillips Head Screwdriver**, loosen the **Ground Screw** on the **Media Converter**.
8. Connect the **Ground Wire** from a **Earth Ground Connection** to the **Ground Screw** on the **Media Converter**.
9. Using the **Small Flat Head Screwdriver**, tighten the **Ground Screw** to secure the **Grounding Wire** to 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

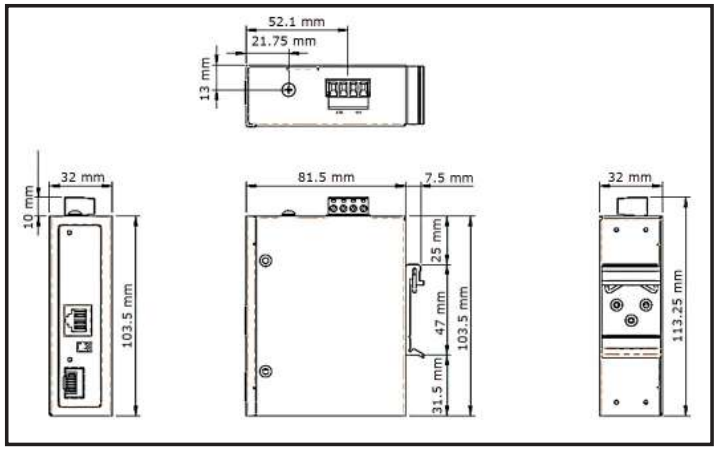
1. Align the **DIN Rail Brackets** (x 1) with the **Mounting Holes** (x 4) on the side of the **Media Converter**.
2. Insert the **Mounting Screws** (x 3) through the **DIN Rail Bracket** and into the **Media Converter**.
3. Using a **Phillips Head Screwdriver**, tighten the **Mounting Screws**. Be careful 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



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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