Industrial RJ45 to Open SFP Mini PoE Media Converter - 1000 Mbps (1G) - 30W

Product Diagram (IMC1GSFP30W)
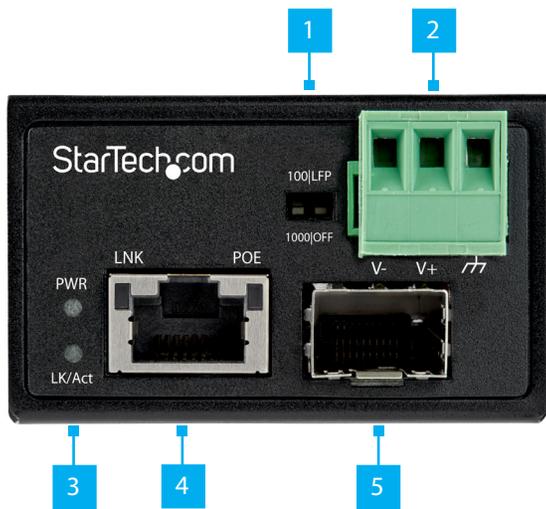
Component		Function		
		DIP Switch	**Position**	**Function**
1	DIP Switches	DIP 1 (Left Side)	Up	100 Mbps installations
			Down	1000 Mbps installations
		DIP 2 (Right Side)	Up	Link Fault Pass Through enabled
			Down	Link Fault Pass Through disabled (default setting)
2	Power Input Port	• Connect a **Power Source** • DC power range is from 48V to 56V *Note: Ensure the input voltage is always within this range.*		

		LED Type	**Status**	**Indication**
3	LED Indicators	PWR	On	Power detected
			Off	Power not detected
		LK/Act	On	SFP detected
			Flashing	Fiber data is transmitting and receiving

4	RJ45 Port	• Connect a UTP/STP Cat 5e (or higher) **Network Cable**		
		LED Type	**Status**	**Indication**
		LNK	On	Network connection is detected
			Flashing	Network data is transmitting and receiving
		POE	On	**Power Source Equipment (PSE)** is activated and **Powered Device (PD)** is detected
			Flashing	**PD** not detected

5	SFP Slot	• Insert a **100/1000Base-X SFP Transceiver Module**

Requirements

For the latest requirements, please visit www.startech.com/IMC1GSFP30W.

- Network Equipment (e.g. Router, Network Switch) x 1
- MSA-Compliant 100/1000Base-X SFP Transceiver Module x 1
- RJ45 Terminated UTP/STP Cat 5e (or better) Network Cable x 1
- Terminated Fiber Optic Cable (dependent on the chosen SFP Module) x 1
- Industrial DC Power Supply Unit or Universal Power Adapter with Type N (OD: 5.5 mm, ID: 2.5 mm) Barrel Connector x 1
- Flat Head Screwdriver x 1
- (Optional - for mounting) Phillips Head Screwdriver x 1
- (Optional - for mounting) Screws x 2

Installation

Connecting the Media Converter

1. Insert an **MSA-Compliant SFP Transceiver Module** (sold separately) into the **SFP Slot** on the **Media Converter.**

2. Remove the **Dust Cover** from the **SFP Module**.

3. Connect a **Fiber Optic Cable** (sold separately) to the **Fiber Optic Port** on the **SFP Module** and to the **Fiber-Network Device**.

4. Connect a **Network Cable** (sold separately) to the **RJ45 Port** on the **Media Converter** and to the **Network Equipment.**

Powering the Media Converter

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

> ***Notes:*** *Make sure that you turn off the power source before connecting the power wire to the* ***Terminal Block****.*
>
> *Do Not exceed the recommend power source voltage as it may result in personal or product damage.*

Connect the **Industrial DC Power Supply Unit** (sold separately) to the **Terminal Block**.

• Connect the **Positive Wire** to **V+**
• Connect the **Negative Wire** to **V-**
• Connect the **Neutral Wire** to **Ground**
• Secure the **Wires** by tightening the **Screws** in the **Terminal Block** with a **Flat Head Screwdriver**

--or--

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**.

Mounting the Media Converter

Wall Mounting

1. Align the holes in the **Wall Mount Brackets** with the holes in the back of the **Media Converter**.

2. Insert two **Phillips Head Screws** through the **Wall Mount Brackets** and into the **Media Converter.**

3. Tighten the **Phillips Head Screws** using a **Phillips Head Screwdriver** (sold separately).

> ***Note:*** *Be careful not to over-tighten the* ***Screws****.*

4. Insert two **Screws** (sold separately) through the **Wall Mount Brackets** and into the **Mounting Surface**.

5. Tighten the **Screws** using the appropriate **Screwdriver**.

DIN Rail Mounting

1. Align the holes in the **DIN Rail Bracket** with the holes in the back of the **Media Converter**.

2. Insert three **Phillips Head Screws** through the **DIN Rail Bracket** and into the **Media Converter.**

3. Tighten the **Phillips Head Screws** using a **Phillips Head Screwdriver**.

> ***Note:*** *Be careful not to over-tighten the* ***Screws****.*

4. Hang the top of the **DIN Rail Bracket** (the section with the two metal clips) onto a **Top Hat** style **DIN Rail**.

5. Press the **DIN Rail Bracket** down and forward to lock the bottom section onto the **DIN Rail**.