PoE+ Industrial Fiber to Ethernet Media Converter 60W - SFP to RJ45 - Singlemode/Multimode Fiber to Copper Gigabit Ethernet - Compact Size - IP-30/ -40 to +75C - TAA

**Product ID:** IMC1GSFP60W



This open SFP PoE fiber media converter offers an easy, inexpensive way to extend the reach of your data and power devices at remote locations using your network over fiber, using the SFP of your choice. It combines the data connectivity of a media converter with the flexible power supply capabilities of a PoE injector

It converts a fiber network link to a PoE-enabled copper RJ45 Ethernet connection to provide data and power to remote PoE devices like security cameras, sensors, wireless, lighting, and more. The converter provides a powerful networking solution for campuses, warehouses, factories or any applications that require PoE and connectivity over long distances.

This 60W media converter can be installed almost anywhere you need it as it has been engineered to work in environments with large temperature changes. The converter also includes a set of DIN mounting rails for additional installation options.

60 watts of available support a wide range of PD devices such as:

The Gigabit fiber media converter provides a cost-efficient way to connect high powered devices over a fiber link. It features an open SFP slot that lets you choose the MSA compliant Gigabit SFP that best suits your fiber connection mode (single/multimode) and distance requirements.

Accepts terminal block power or coaxial power connectors with the barrel plug adapter, allowing the product to be hardwired or powered using an external power supply (not included), which does not require professional installation.

The IMC1GSFP60W is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

## Applications

## Features

• EXTEND, CONVERT, POWER: Fiber to Ethernet media converter with PoE extends & converts fiber to RJ-45 copper; Provides up to 60W of PSE power to PoE/PoE+/PoE++ PD devices like cameras and sensors

• TECH SPECS: 1 Gbps  1 x Open SFP (MSA Compliant)  1x RJ45  48V-56VDC  IEEE 802.3af / IEEE 802.3at (60W) 10/100/1000Mbps  LFP  16K Jumbo Frames  DIN or Wall Mount Hardware Included  2 yr warr

• ROBUST DESIGN: Industrial Gigabit Media Converter w/MTBF 500,000+hrs @ 50C  Vibration, shock & free fall rated  Rugged IP-30 aluminum housing  Hardened operating temp -40C to 75C

• OPEN SFP SLOT: Any MSA compliant SFP can be used for the incoming multimode or singlemode fiber connection; easy deployment across applications or fiber cable types

• FLEXIBLE POWER: Can be hardwired using terminal block (48-56VDC) power or powered using a standard Type-N barrel wall adapter (not included)

• STARTECH.COM ADVANTAGE: IT professionals' choice for over 30 years  This media converter is backed for 2-years by StarTech.com, including free 24/5 North America based multi-lingual tech support

**Hardware**

| | | |
|---|---|---|
| | Warranty | 2 Years |
| | PoE | Yes |
| | Industry Standards | IEEE 802.3z 1000BASE-TX |
| | | IEEE 802.3 1000BASE-T |
| | | IEEE 802.3u 100BASE-TX |
| | | IEEE 802.3 10BASE-T |
| | | IEEE 802.3x |
| | | IEEE 802.3af Power over Ethernet |
| | | IEEE 802.3at PoE Plus |
| | | ESD: IEC 61000-4-2: Contact: 6KV; Air: 8KV |

EFT: IEC 61000-4-4: Power: 2KV; Signal: 2KV

Vibration: EN 60068-2-6

Shock: EN 60068-2-27

Free-fall: EN 60068-2-32

Housing: IP-30

| | | |
|---|---|---|
| Chipset ID | IC Plus: IP1103A | |
| | Microsemi: PD69101ILQ-TR | |

## Performance

| | | |
|---|---|---|
| Maximum Cable Length | 328.0 ft [100 m] |
| Bandwidth | 2G (Maximum per port and backplane) |
| Type | Single Mode / Multi Mode |
| Buffer Size | 512 KB |
| Flow Control | IEEE 802.3x Flow Control and Back Pressure |
| Surge Protection | IEC 61000-4-5: Power: 2KV |
| Compatible Networks | 10/100/1000 Mbps |
| Auto MDIX | Yes |
| Jumbo Frame Support | 16K max. |
| Switching Architecture | Back-plane (Switching Fabric): 4Gbps |
| General Specifications | ESD: IEC 61000-4-2: Contact: 6KV; Air: 8KV, EFT: IEC 61000-4-4: Power: 2KV; Signal: 2KV, Surge: IEC 61000-4-5: Power: 2KV; Signal: 2KV, Vibration: EN 60068-2-6, Shock: EN 60068-2-27, Free-fall: EN 60068-2-32, Housing: IP-30, Safety: EN60950-1, Safety: MET (UL) 60950-1, |
| MTBF | 561556 hours |

## Connector(s)

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|---|---|---|
| Connector A | 1 - Terminal Block (3 Wire) |
| | 1 - RJ-45 (PoE+) |
| | 1 - SFP Slot |

**Special Notes / Requirements**

| | | |
|---|---|---|
| | Patents and Licenses | United States Patent No. 5,406,260 (expired) , United States Patent No. 6,650,622, United States Patent No. 7,457,250, United States Patent No. 8,155,012, United States Patent No. 8,902,760, United States Patent No. 8,942,107, United States Patent No. 9,019,838, United States Patent No. 9,049,019, United States Patent Application No. 14/695,456, United States Patent Application No. 14/726,940, |
| | Note | The IMC1GSFP60W can provide power beyond the 802.3at 30W limit up to a maximum of 60W for legacy PD devices. The IMC1GSFP60W does not support the 802.3bt standard. |

**Power**

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|---|---|---|
| | Input Voltage | 48 ~ 56V DC |
| | Plug Type | N |
| | Power Consumption (In Watts) | Max 60W |

**Environmental**

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|---|---|---|
| | Operating Temperature | -40C to 75C |
| | Storage Temperature | -40C to 85C |
| | Humidity | 5% to 95% (non-condensing) |

**Physical Characteristics**

| | | |
|---|---|---|
| | Color | Black |
| | Material | Aluminum |
| | Cable Length | 328.0 ft [100 m] |
| | Product Length | 4.1 in [10.4 cm] |
| | Product Width | 3.2 in [8.2 cm] |
| | Product Height | 1.3 in [3.2 cm] |
| | Weight of Product | 5.4 oz [153.0 g] |

**Packaging Information**

| | | |
|---|---|---|
| | Package Quantity | 1 |
| | Package Length | 8.4 in [21.3 cm] |

| | | |
|---|---|---|
| Package Width | 6.6 in [16.7 cm] | |
| Package Height | 2.6 in [6.7 cm] | |
| Shipping (Package) Weight | 13.1 oz [372.0 g] | |

**What's in the Box**

| | |
|---|---|
| Included in Package | 1 - Media Converter |
| | 1 - Terminal Block |
| | 1 - Terminal Block to Barrel Power Connector Adapter |
| | 1 - Mounting Hardware Kit |
| | 1 - Quick-Start Guide |

**Warranty Information**

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|---|---|
| Warranty | 2 Years |

*\*Product appearance and specifications are subject to change without notice.*