

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

**Product ID:** IMC1GSFP30W



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.

At 4.5 square inches and weighing approximately 80g, this mini media converter can be installed almost anywhere you need it and 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.

30 watts of available support a wide range of devices such as:

The Gigabit fiber media converter provides a cost-efficient way to connect remote 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.

Fully compatible with 10/100/1000Base-T Ethernet networks, the fiber media converter supports auto-negotiation to bridge different speed networks and devices to a Gigabit fiber network. It provides versatile connectivity to your existing networks and devices, allowing you to maximize the usage and performance of legacy equipment.

The IMC1GSFP30W is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility



## Applications

### Features

- **COMPACT SIZE + PoE:** Smallest form factor Fiber to Ethernet media converter with PoE extends & converts fiber to RJ-45 copper; up to 30W of PSE power to PoE/PoE+ PD devices like cameras & sensors
- **TECH SPECS:** 1 Gbps 1 x Open SFP (MSA Compliant) 1x RJ45 48V-56VDC IEEE 802.3af / IEEE 802.3at (30W) 10/100/1000Mbps LFP 16K Jumbo Frames DIN or Wall Mount Hardware Included
- **ROBUST DESIGN:** Industrial Gigabit Mini Media Converter w/MTBF 500,000+hrs @ 50C Vibration, shock & free fall rated Rugged IP-30 aluminum housing Hardened operating temp -40C to 75C 2 yr warr
- **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 INPUT:** Can be hardwired using terminal block (48-56VDC) power or powered using a standard (48-56VDC) 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

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### 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)
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
MTBF	561556 hours

### Connector(s)

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,
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**Indicators**

LED Indicators	1 - Power
	1 - Activity
	1 - Link
	1 - PoE

**Power**

Input Voltage	48 ~ 56V DC
Plug Type	N
	Terminal Block (3 Wire)

Power Consumption (In Watts)	Max. 30W
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**Environmental**

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	2.3 in [5.9 cm]
Product Width	1.4 in [3.6 cm]
Product Height	1.9 in [4.9 cm]

Weight of Product 2.8 oz [80.0 g]

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**Packaging Information**

Package Quantity	1
Package Length	4.3 in [10.8 cm]
Package Width	6.3 in [16.1 cm]
Package Height	2.6 in [6.6 cm]
Shipping (Package) Weight	6.8 oz [194.0 g]

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**What's in the Box**

Included in Package	1 - Mini PoE Media Converter
	1 - Terminal Block
	1 - Terminal Block to Type N Barrel Power Connector Adapter
	1 - Mounting Hardware
	1 - Quick-Start Guide

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**Warranty Information**

Warranty	2 Years
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***\*Product appearance and specifications are subject to change without notice.***