

Industrial Fiber to Ethernet Media Converter - 10/100/1000 Mbps SFP to RJ45/Cat6 -
Singlemode/Multimode Optical Fiber to Copper Gigabit Network - 12-56V DC - IP-30/ -40 to +75C -
TAA

Product ID: IMC1GSFP



An industrial media converter that converts fiber to copper at a network endpoint.

This media converter features an open SFP slot for any standard gigabit SFP to be used for the incoming fiber connection and is easily deployed across applications or fiber cable types. 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. It can be powered using 12V-56V DC for solar, automotive, rail, and other applications and requires a minimum 12V power input. Includes hardware for DIN rail or wall mounting.

Designed with IP-30 housing and has an MTBF of >500,000 hrs (Telcordia/Bellcore) at 50C and an operating temperature range of include -40 C to 75 C for durability; it's rated to various vibration, shock, and free-fall standards:

- Vibration: EN 60068-2-6
- Shock: EN 60068-2-27
- Free-Fall: EN 60068-2-32

The IMC1GSFP is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility



Applications

Features

- **INDUSTRIAL FIBER TO ETHERNET MEDIA CONVERTER:** Extends & converts 1Gbps fiber to RJ45 copper w/ hardened operating temp -40C to 75C; powered by 12V-56V DC for compatibility with solar, auto & rail
- **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
- **OPEN SFP SLOT:** Compatible with any standard SFP and can be used for multimode or single mode fiber connections; easy deployment across applications, fiber distances or fiber cable types
- **ROBUST DESIGN:** Industrial Gigabit Network Media Converter w/MTBF of 500,000+ hrs @ 50C Vibration, shock & free fall rated Rugged IP-30 aluminum housing
- **TECH SPECS:** 10/100/1000 Mbps 12V-56VDC Single Mode SMF & Multi-Mode MMF Fiber 16K Jumbo Frames LFP IP-30 Housing DIN or Wall Mountable Terminal Block and/or Barrel Adapter for power redundancy

Hardware

Warranty	2 Years
PoE	No
Industry Standards	IEEE 802.3 10/100/1000BASE-T, IEEE 802.3x IEEE 802.3
Chipset ID	IC Plus IP1103A

Performance

Type	Single Mode / Multi Mode
Surge Protection	2KV
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Jumbo Frame Support	9K max.
General Specifications	ESD Standard: IEC 61000-4-2: Contact: 6KV; Air: 8KV, EFT Standard: IEC 61000-4-4: Power: 2KV; Signal: 2KV, Surge Standard: IEC 61000-4-5: Power: 2KV; Signal: 2KV, Vibration Standard: EN 60068-2-6, Shock Standard: EN 60068-2-27, Free-Fall Standard: EN 60068-2-32, Housing Standard: IP-30, Safety Standard: EN60950-1
MTBF	569,265 hours

Connector(s)		
	Connector A	1 - SFP Slot
		1 - Ethernet Gigabit
		1 - Terminal Block (4 Wire)
Indicators		
	LED Indicators	1 - Power
		1 - SFP
		1 - LNK/Act
Power		
	Input Voltage	12 ~ 56 DC
	Plug Type	N
	Power Consumption (In Watts)	3 Watts @ 48V DC, full load
Environmental		
	Operating Temperature	-40C to 75C
	Storage Temperature	-40C to 85C
	Humidity	5 to 95% (non-condensing)
Physical Characteristics		
	Color	Black
	Material	Aluminum
	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	5.1 oz [144.0 g]
Packaging Information		
	Package Quantity	1

Package Length	8.5 in [21.5 cm]
Package Width	6.6 in [16.8 cm]
Package Height	2.6 in [6.7 cm]
Shipping (Package) Weight	12.8 oz [362.0 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

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