IMC-GP30W-SFP

Industrial POE 30W Converter
One 10/100/1000Base-TX to One 1000Base-FX (SFP Slot)

Descriptions

IMC-GP30W-SFP with 1-Port 10/100/1000Base-TX and 1-Port 1000Base-FX SFP that provides stable and reliable Ethernet transmission with dual power input design, offers redundant mechanisms for critical applications that need always-on connections. It also operates at standard operating temperature range from -40°C to 85°C. Housed in rugged DIN rail or wall mountable IP40 enclosures, this converter is a perfect choice for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and is also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

It is a new generation Power over Ethernet Media converter, with high quality design and reliability. It is positioning in the broadband network intervention market, to offer and realize Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The industrial converter complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability.

Features

- 1x10/100/1000Base-TX RJ45 PoE 30W port, 1x1000Base-FX SFP port
- Support Auto-MDIX and full/half duplex self-negotiation mode
- Provide LC interface fiber port, support single/dual fiber transmission
- Support 10K bytes giant frame, compatible with various extension protocol
- 4K MAC address table
- Support IEEE802.3az energy efficient Ethernet technology

Megatel Industries Corporation

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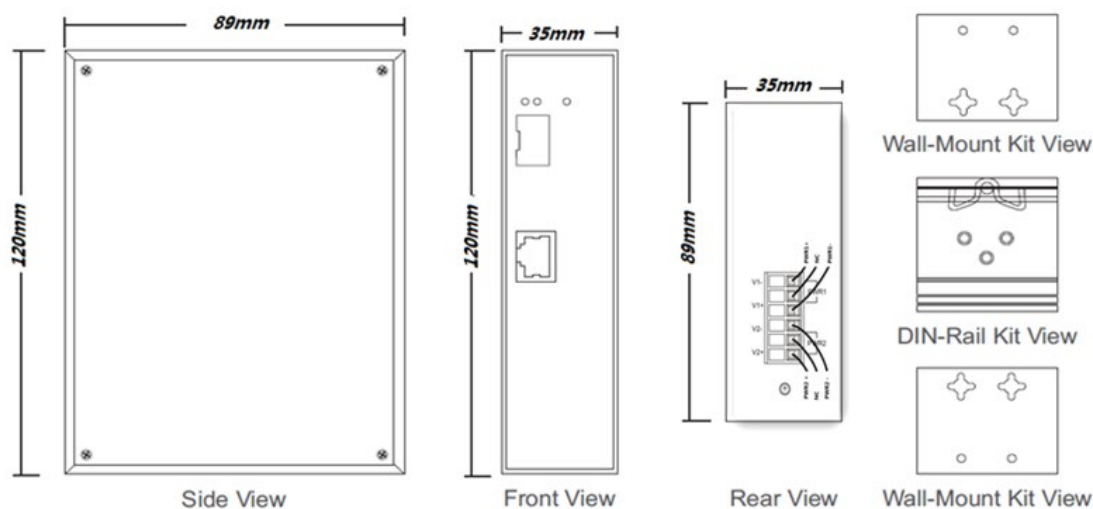sales@megatelindustries.com   www.megatelindustries.com

- Support IPv6 Protocol

- Electric 6KV surge protection, easy to use in outdoor environment

- Complete status indicators, working state at a glance

- Power input polarity protection design, no worry about wrong operation

- Metal case, no fan design

- Installation method: DIN Rail or Wall mounting

Specifications

Physical Port	
RJ45 port and speed	1x10/100/1000Base-TX
Fiber port and speed	1x1000Base-FX
Parameters	
Ethernet standards	IEEE802.3 IEEE802.3u IEEE802.3z
	IEEE802.3ab IEEE802.3x IEEE802.3az
	IEEE802.3Qad IEEE802.3ah IEEE802.1X
	IEEE802.1Q IEEE1588 **IEEE802.3at PoE**
Packet buffer	1Mbits
Maximum packet length	Up to 10K Bytes
MAC address table	4K
Transmission mode	Store and Forward (full/half duplex mode)
Exchange property	Delay time: < 7µs
	Backplane bandwidth: 2Gbps
	Packet forwarding rate: 148810 (64Byte)
PoE	
PoE standard	IEEE 802.3af and IEEE 802.3at PoE
POE Output Voltage & Power	DC48V and 30W
POE RJ45 Pins	Positive: 1,2(V+) and Negative: 3,6(V-)
LED Indicator	
Power	Connect-always ON
RJ45	Link/Act: connect-always; data exchange-blinking
	Speed: Green LED ON when 1000Mbps is working.
Fiber	Link/Act: connect-always; data exchange-blinking
Power Information	
Power access mode	Phoenix terminal, DC seat
Redundant power input	DC48 - 56V 40W
Overload protection	Yes
Power reverse	Support
Power consumption	5W
Physical Property	
Protection grade	IP40 aluminum housing
Cooling mode	Natural cooling, no fan design
Dimensions	120mm x 89mm x 35mm (L x W x H)
Installation mode	DIN Rail or Wall-Mount
Weight	600g
Working Environment	
Operating Temperature	-40℃ ~ +85℃
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40℃ ~ +85℃
Warranty	
MTBF	500,000 hours
Standard Warranty	3 years and lifetime technical support
Certification Standard	
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A

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EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1

Dimensions

Side View   Front View   Rear View   Wall-Mount Kit View   DIN-Rail Kit View   Wall-Mount Kit View

Package List

- 1 x POE Converter

- 1 x Rail Mounting Kit

- 1 x Wall Mount Kit
- 1 x User Manual

Application

Input Power 48-56VDC 40W   30W   Regulated PoE Output   IP Camera   Wireless AP

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Order Information

IMC-GP30W-SFP	Industrial Gigabit POE 30W Media Converter
Industrial Power Supply	Input 85~264VAC, Output 48-56VDC, 40W, 0.83Amp, -20 ~ +70°C