



IGC-0101 Version: 1

**!** Power supply unit is to be ordered separately.

## RJ45 to SFP Gigabit Industrial Media Converter, 1 PoE Output

This IGC-0101 Industrial POE media converter is equipped with Hardened Marvell IC to provide a reliable power source to power up your remote POE device. It is designed for Security, Transportation and Telco application to extend your network distances. With its multi-purpose design, it can also be used for Din-Rail or wall-mounted. It is an ideal unit for IP surveillance, traffic monitoring and Security application in critical environment. It can tolerate -40°C to 75°C in harsh environment to perform a reliable network.

### Key Features

- IEEE 802.3af/at PoE PSE with 30W power budget
- 9K jumbo frames to increase data transfer rates
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- -40°C to 75°C operating temperature range
- Supports DIN-rail installation

### Specifications

#### System Specifications

##### Standards & Protocols:

IEEE 802.3 10Base-T Ethernet  
 IEEE 802.3u 100Base-TX Fast Ethernet  
 IEEE 802.3ab 1000Base-T Gigabit Ethernet  
 IEEE 802.3z 1000Base-X Gigabit Ethernet  
 IEEE802.3x Flow Control and Back Pressure,  
 IEEE802.3af for POE  
 IEEE802.3at for POE+

##### Port:

1 x RJ-45 10/100/1000BaseT(X) PSE with POE Output power up to 30Watts  
 1 x 100/1000M SFP

##### Indicator:

PWR (Green): ON-Power is detected  
                   OFF-Power is not detected  
 SFP Lnk/Act (Green): ON-FX port is detected  
                           Flashing-FX data is transmitting/receiving  
 RJ-45 port:  
 Lnk/Act (Green): ON-TX port is detected  
                           Flashing-TX data is transmitting  
 PoE (Amber): ON-PSE is activated and PD is detected  
                           Flashing-PSE is detecting PD

**Power Input:**

4 pin terminal block with 48V-56V VDC Power Input

**Power Output:**

30W, Max total power 36Watts at 56VDC

**Power Consumption:**

2 W@48 VDC full load, Without POE

**Operating Temperature (°C):**

-40°C~75°C fully tested

**Operating Humidity (Non-condensing):**

5% to 95% (Non-condensing)

## Features

**General:**

1000Base-T, 100 Base-Tx,

10Base-T Ethernet

1 Port PoE Output

## Physical Specifications

**Dimensions (W x D x H mm):**

103.5 x 32 x 81.5 mm

**Weight (g):**

135g

## Reliability

**MTBF:**

>500,000 hrs

( MIL-HDBK-217F) at 25°C

## Approval and Compliance

**EMI/EMS:**

CE, FCC, VCCI

FCC Part 15 Subpart B Class A,

CE EN 55022 Class A

**Safety:**

IEC EN60950-1

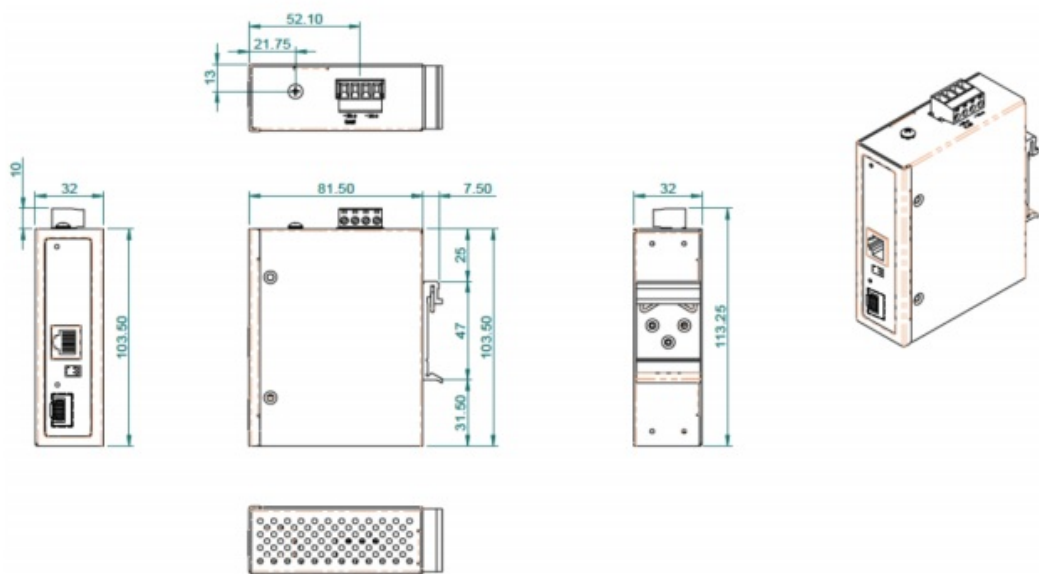
**Environmental Test:**

EN 60068-2-6

EN 60068-2-27

EN 60068-2-32

## Diagram



## Order Information

IGC-0101

## Package Contents

IGC-0101  
User Manual  
Din-rail Mount Kit

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