



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

- 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+

Connectors and Cabling:

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

Features

General:

1000Base-T, 100 Base-Tx,
10Base-T Ethernet
1 Port PoE Output

Environment

Temperature (°C):

-40°C~75°C fully tested

Humidity (Non-condensing):

5% to 95% (Non-condensing)

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

Order Information

IGC-0101

Package Contents

IGC-0101
User Manual
Din-rail Mount Kit

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