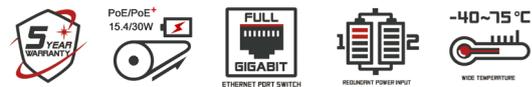


# IS-DG102P-F-1 Series

Rugged Industrial Media converter w/ PoE Injector, 1000BASE-TX PoE to 1000BASE-FX



The IS-DG102P-F-1 Series are rugged designed, high power, Gigabit Ethernet industrial Media converter w/ PoE Injector which meet IEEE 802.3af/at standard with 15.4/30/36 Watt high power output and are especially good for your security system application. The special cold design technology will not only power up your PD device, but also reduce the excessive heat problem to a minimum. The IS-DG102P-F-1 Series accept the input voltage from 46 to 57 VDC and have been rigorously tested for your Security, Transportation and all the other Industrial applications.



## Key features

- ▶ 1 Giga FX and 1 Giga PoE port, (IEEE802.3af/at)
- ▶ PoE support up to 15.4/30/36 Watt
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking(Switch mode)
- ▶ Rugged design, compact enclosure
- ▶ Overload current protection
- ▶ Reverse power protection
- ▶ Provides increased noise immunity
- ▶ -40°C to 75°C operating temperature

## Specification

### Ethernet

Operating Mode	Store and Forward, L2 wire-speed/non-blocking switching engine
MAC addresses	1K
Packet Buffer	1 Mbits
Jumbo frame	9K
Backplane / Switching Fabric	2Gbps

### RJ45 Copper ports

Speed	10/100/1000 Mbps
MDI/MDIX Auto-crossover	Support straight or cross wired cables
Auto-negotiation/Duplex	10/100/1000 Mbps speed auto-negotiation; Full & Half Duplex

### Fiber Ports

Port Types supported	100/1000 Base SFP Slot
Fiber port connector	LC/RJ45 connector for fiber ports
Optimal fiber cable	Typical 50 or 62.5/125 $\mu\text{m}$ for multimode (mm) Typical 8 or 9/125 $\mu\text{m}$ for single mode (sm)

### Protocols & Standards

IEEE 802.3 , IEEE 802.3x, Flow Control, Back Pressure, TCP/UDP, IEEE 802.3af/at
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### PoE Ports

Output Power	IEEE 802.3af/at, 15.4/30/36 Watt output
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### Power

Power Input	Redundant Power Input, DC Input, Terminal Block
Input Voltage Range	46-57 VDC *12/24 VDC power input or 60W Ultra PoE output version are also available, please contact sales for the detailed.
Reserve power protection	YES
Power Consumption	IS-DG102P-1, Max 1.5 Watt

## Indicators

Power status indication	Power Input status
Ethernet port indication	Link & speed

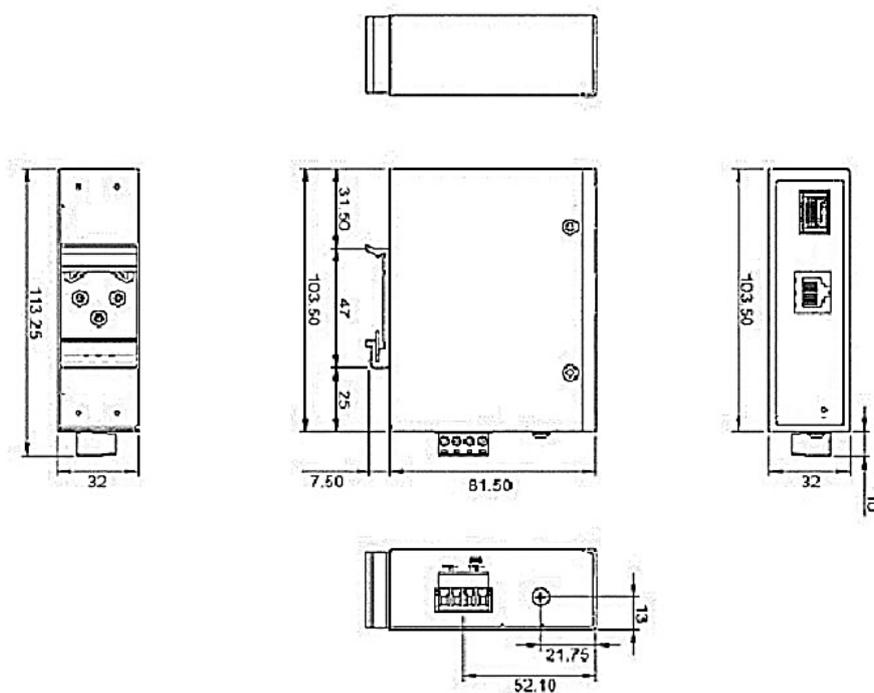
## Environmental and Compliances

Operating Temperature	-40~75°C (Cold startup at -40°C)
Storage Temperature	-40~85°C
Humidity	5~95% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-2-6, -27, -32
Certification Compliance	CE, FCC
Electrical safety	CE
EMC	FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 3)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>25 years

## Mechanical

Protection	IP30
Dimension	103.5mmx32mmx81.5mm (LxWxD) (without DIN rail kit)
Weight	160g
Installation	DIN-Rail mounting; Wall mounting
Relay Output	1A, 24V, Normal Open

## Dimension Diagram



## Ordering Information

Available Models	Description	10/100/1000Mb FX	100/1000Mb PoE
IS-DG102P-F-1	Industrial 2 port Gigabit Layer 2 Industrial Media converter w/ PoE injector, IEEE 802.3 af/at, 1G SFP Slot	1	1

\*12/24 VDC power input or 60W Ultra PoE output version are also available, please contact sales for the detail.

## Accessories

1. 100Mb SFP Modules
2. Gigabit SFP Modules
3. IS-RK2U 19" rack mount kit
4. IS-RK4U 19" rack mount kit

## Package Checklist

- IS-DG102P-F-1 PoE converter
- Quick Installation Guide (Printed)
- Wall Mount kit /Din-Rail kit