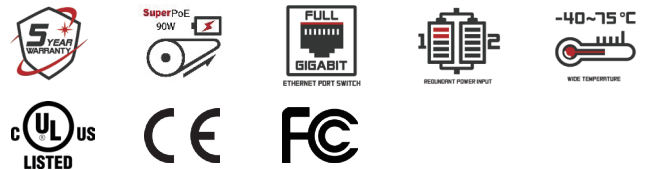


# IS-DG102P-1-90 Series

Rugged Industrial 2-port Gigabit Layer 2 Super PoE Injector



The IS-DG102P-1-90 Series are rugged designed, high power, Gigabit Ethernet industrial PoE Injector which meet IEEE 802.3af/at standard with 15.4/30/36 Watts power output and up to 90 Watts high power output. These models 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-1-90 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 TX and 1 Giga Super PoE port, (IEEE802.3af/at, Super PoE)
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking
- ▶ PoE support up to 15.4/30/36/60/90 Watts
- ▶ 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

### PoE Ports

Output Power	IEEE 802.3af/at, 15.4/30/36/60/90 Watts output
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### Power

Power Input	Redundant Power Input, DC Input, Terminal Block
Input Voltage Range	46-57 VDC Input
Reserve power protection	YES
Power Consumption	IS-DG102P-1-90, Max 1.5 Watt

### Indicators

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

### Environmental and Compliances

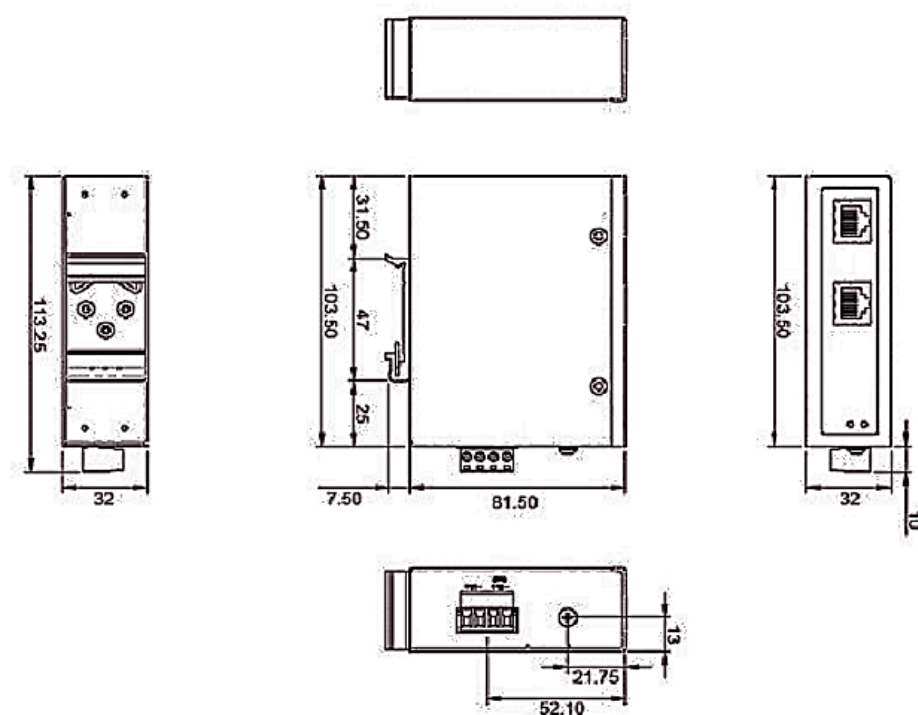
Operating Temperature	-40~75°C (Cold startup at -40°C)
Storage Temperature	-40~85°C
Humidity	5~95% (Non-Condensing)

Vibration, shock, free fall	IEC-60068-2-6, -27, -32
Certification Compliance	CE, FCC
Electrical safety	CE, UL 60950-1, CSA C22.2 No. 60950-1, EN 60950-1
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	>220,000 hrs

## Mechanical

Protection	IP30
Dimension	103.5mmx32mmx81.5mm (LxWxD) (without DIN rail kit)
Weight	200 g
Installation	DIN-Rail mounting; Wall mounting
Relay Output	1A, 24V, Normal Open

## Dimension Diagram



## Ordering Information

Available Models	Description	10/100/1000Mb TX	100/1000Mb Super PoE
IS-DG102P-1-90	Industrial 2 port Gigabit Layer 2 Super PoE injector, Up to 90 Watts	1	1

## Accessories

1. IS-RK2U 19" rack mount kit
2. IS-RK4U 19" rack mount kit

## Package Checklist

- IS-DG102P-1-90 Super PoE Injector
- Quick Installation Guide (Printed)
- Wall mount kit /Din-Rail kit