

IS-DG102S Series

Rugged Industrial PoE Splitter, 1000BASE-TX PoE to 1000BASE-TX



This IS-DG102S is equipped with 1 x 10/100/1000M TX PoE IN + 1 x 10/100/1000M TX for DATA OUT. It is capable to accept 60W PSE input to deliver 12VDC output (*5V / 9V / 24V DC power output is also available). It can split power and data from PoE device. It is designed for environment where DC power source is not available. It can tolerate -40 to 75°C in harsh environment to perform a reliable network.

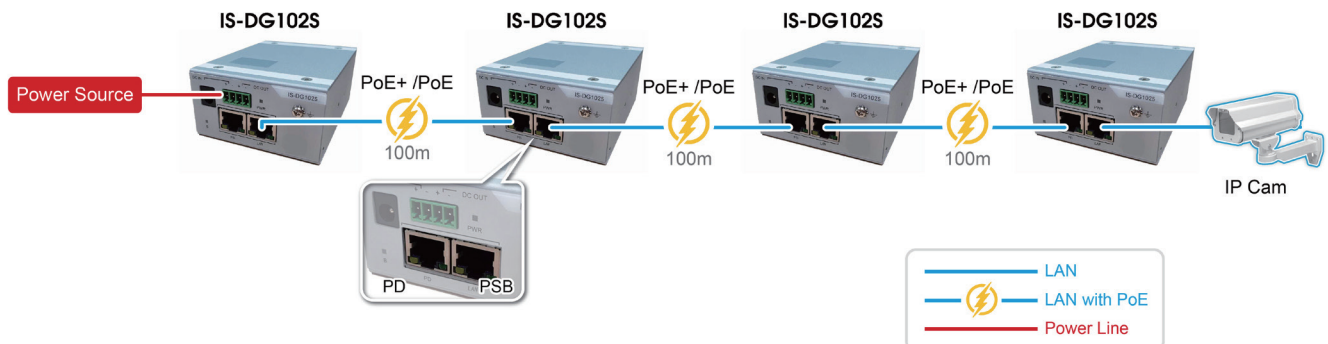


Key features

- ▶ IEEE 802.3af/at-compliant; splits power and data from PoE equipment PoE PD equipment (up to Ultra PoE 60 Watts input)
- ▶ 1 Gigabit PoE PD port, and 1 Gigabit LAN port, (Share Power Budget 60 Watts)
- ▶ Build-in PoE Splitter, 12 VDC, 1A output (*5V / 9V / 24V DC power output is also available)
- ▶ PoE support up to 57 Watts outputs
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking
- ▶ Rugged design, compact enclosure
- ▶ Overload current protection
- ▶ Reverse power protection
- ▶ -40°C to 75°C operating temperature

Power Extender

*Extend PoE Power up to 500 meter
*Share Power Budget 60W



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	4Gbps

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, 15.4/30/36/57 Watts output
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Power

Power Input	3 Ways Power Input, DC Input with Terminal Block or DC Jack, or PoE Input (up to Ultra PoE, 60W)
Input Voltage Range	12-58 VDC (supplied by power adapter) or 56 VDC (supplied by Ultra PoE)
Power Output (PoE Splitter)	12 VDC, 1A, Terminal Block, *5V / 9V / 24V DC power output is also available
Reserve power protection	YES
Power Consumption	3W, *3 watts power loss in 100m ethernet cable

Indicators

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

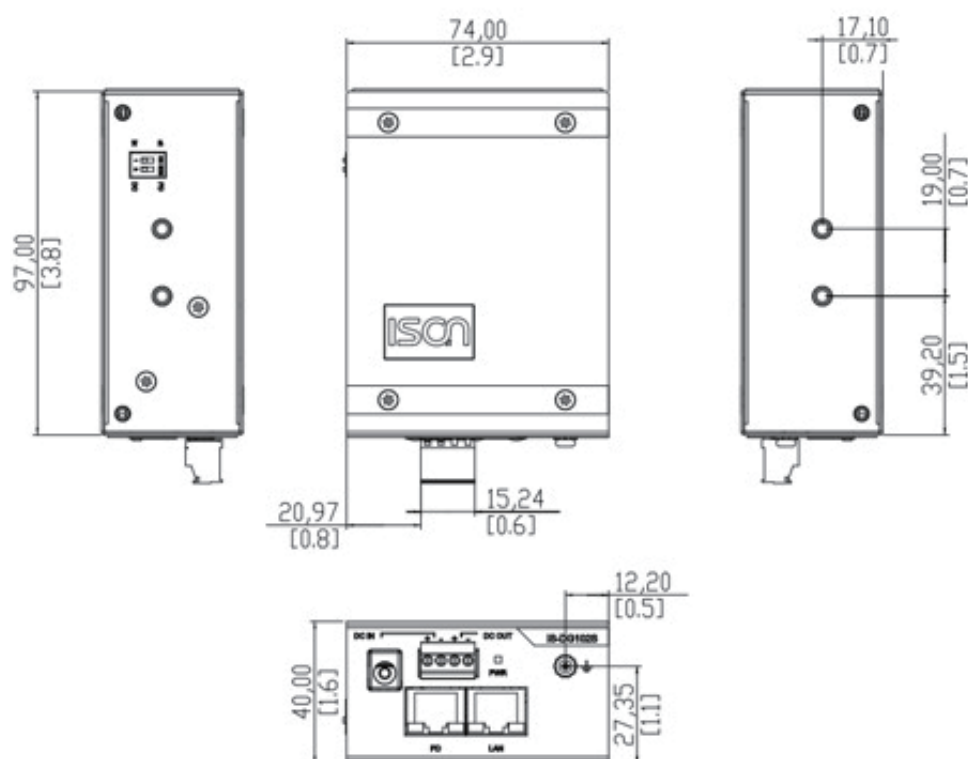
Environmental and Compliances

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, UL 60950-1, CSA C22.2 No. 60950-1, EN 60950-1
Electrical safety	CE
EMC	FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 3), IEC-61000-6-2, -4
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>220,000 hours

Mechanical

Protection	IP30
Dimension	40mm x 74mm x 97mm (LxWxD)
Weight	200g
Installation	DIN-Rail mounting; Wall mounting

Dimension Diagram



Ordering Information

Available Models	Description	10/100/1000Mb PoE PD	10/100/1000Mb LAN
IS-DG102S	Industrial 2 ports Gigabit Layer 2 PoE Splitter, 12 VDC 1A output	1	1

*5V / 9V / 24V DC power output is also available, please contact sales for the detail.

Accessories

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

Package Checklist

- IS-DG102S PoE Splitter
- Quick Installation Guide (Printed)
- Wall mount kit