

POE-SW505GD

Industrial 5 Ports Solar DC12V PoE Switch, Support Passive PoE, AT PoE+ and High PoE+, DC 9~57V Input



Outstanding Features

- **5 Ports Full Gigabit PoE Switch:** Unmanaged. Provides 2 x IEEE802.3af/at PoE+ ports, 1 x 45W High PoE+ port, 1 x Passive 24V PoE port and 1 Gigabit Uplink. Total PoE budget 120W (DC24V/DC48V input) or 70W (DC 12V input).
- **DC 9 ~ 57V Input:** Featuring built-in voltage booster, works directly with DC 12V or DC 24V Solar or UPS battery systems and output standard 48V PoE power, no extra DC-DC converter is required.
- **Passive 24V PoE:** To connect Wireless AP, Wireless Bridges, or other terminals that accept Passive 24V PoE. No extra PoE injector needed. PoE Pins 4/5(+), 7/8(-).
- **45W High PoE+ Output:** Optimized for big PTZ cameras, such as multiple-lens PTZ cameras, high speed dome cameras, cameras with big white LED light. Backward compatible with IEEE802.3af/at standard.
- **Redundant Power Input:** Supports 2 channels of DC9~57V redundant power inputs. It is designed for reliable PoE power output in solar power systems, vehicles or other applications that without AC power input.
- **Intelligent Reboot Control:** Built-in DI supports external trigger signals for remote system reboot, including over-temperature restart, router connection trigger, alarm linkage, and remote switch reboot or power-cycle reset, improving remote maintenance and system reliability.
- **Industrial Design:** Compact IP40 rugged metal enclosure; Wide working temperature -4 °F to 158 °F (-20°C to 70°C); Support DIN-Rail & Wall Mount.
- **Application:** Solar power camera system (DC12V/DC18V/DC36V input), RV/Vehicle/Truck/Bus system (DC12V/24V input), VoIP/Access control/Robotic Systems (DC24V/DC48V input).

Specifications

Mechanical & Electrical

Enclosure Material	Metal
Dimensions (WxDxH)	95 x 67.6 x 31mm (3.74" x 2.66" x 1.22")
Weight	250g (0.551lb)
Installation	DIN-Rail & Wall Mount
LED Indicators	PWR (Power), Link/Act Indicator, PoE Indicator
PoE Power Budget	70W (DC12V input) 120W (DC24V/DC48V input)
Power Input Overload	Automatic Resettable

Interface

Network	5 x 10/100/1000 Mbps RJ45 Ports
DC Power Input	DC 9-57 V, 6-pin terminal block (Include RE Input)
RE Input	Reboot Interface (DC 0-36V) High Level (>2V) = Switch Power OFF Low Level (<0.6V) = Switch Power ON

Ethernet

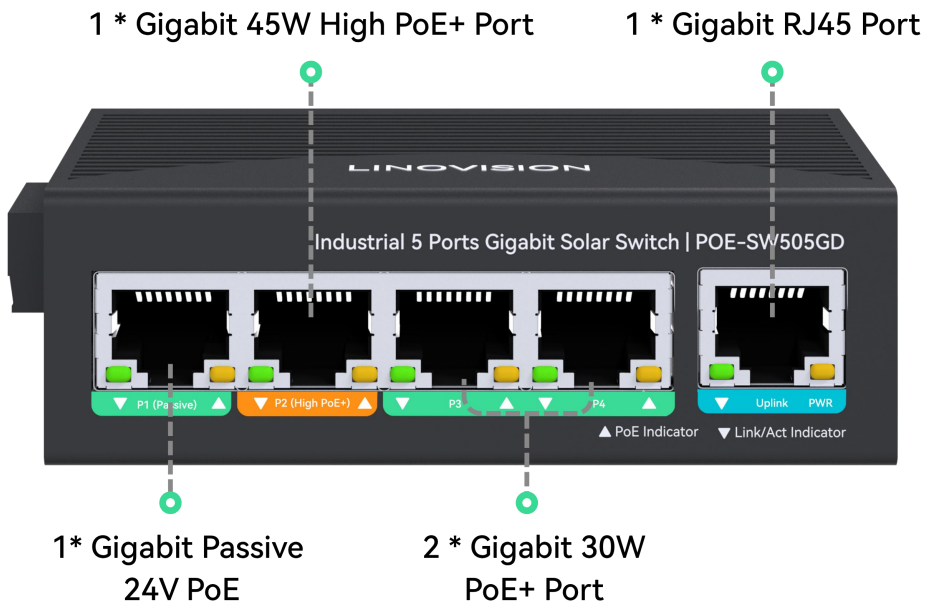
Standards	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3az Energy Efficient Ethernet (EEE)
PoE Output Ports	Port 1: Passive PoE, 24 V, (Pins 4/5 [+], 7/8 [-]) Port 2: High PoE+, IEEE 802.3af/at, up to 45 W, Mode B Port 3-4: PoE+, IEEE 802.3af/at, Mode B Port 5: Gigabit RJ45 Uplink Port

Environment

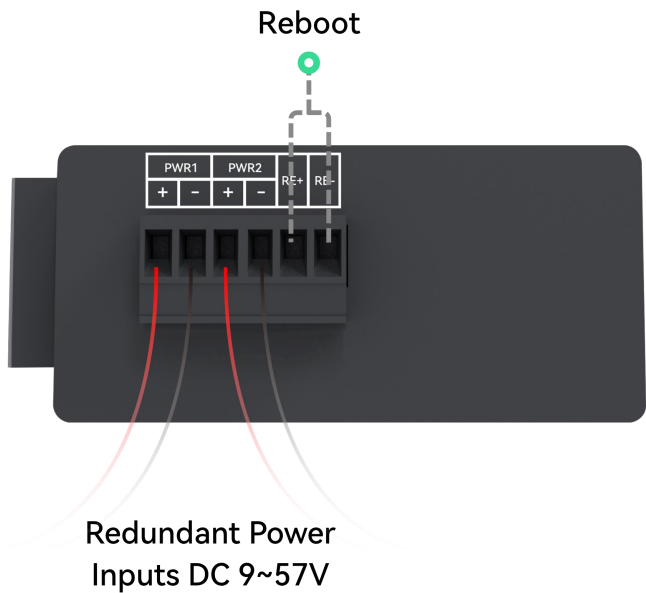
Operating Temperature	-20°C to 70°C (-4°F to 158°F)
Storage Temperature	-20°C to 75°C (-4°F to 167°F)
Relative Humidity	5% to 95% non-condensing

Interface

Front View

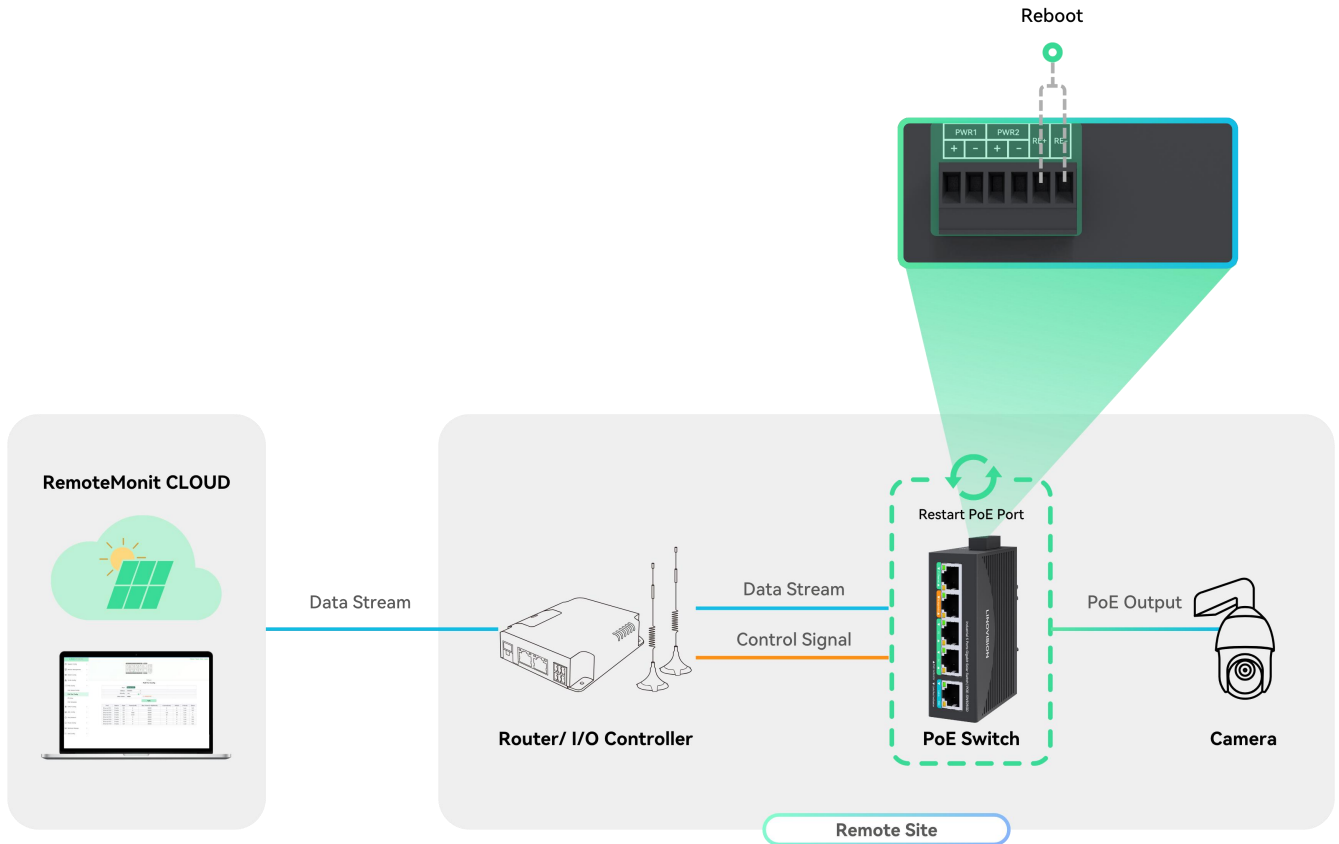


Left View



**Disclaimer: Technical specifications may subject to change without prior notice*

Remotely Reboot via DI Trigger

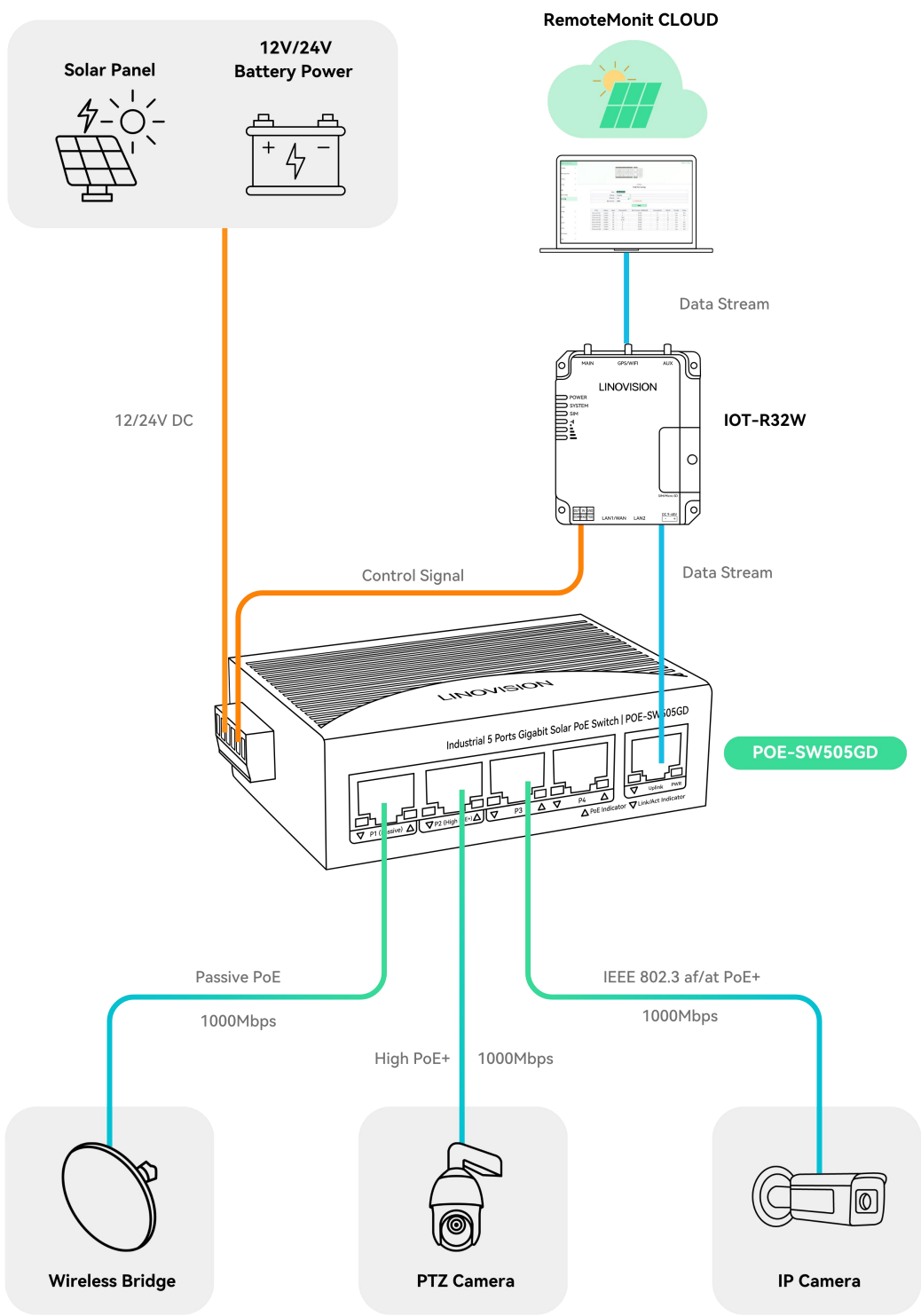


How it works

1. Connect RE+/RE- to a device's Digital Output port. The device can be a cellular router, a IoT controller or IP camera.
2. From IoT Cloud or Router's WEB GUI, send a digital output trigger.
3. POE-SW505GD receives trigger and reboot itself.

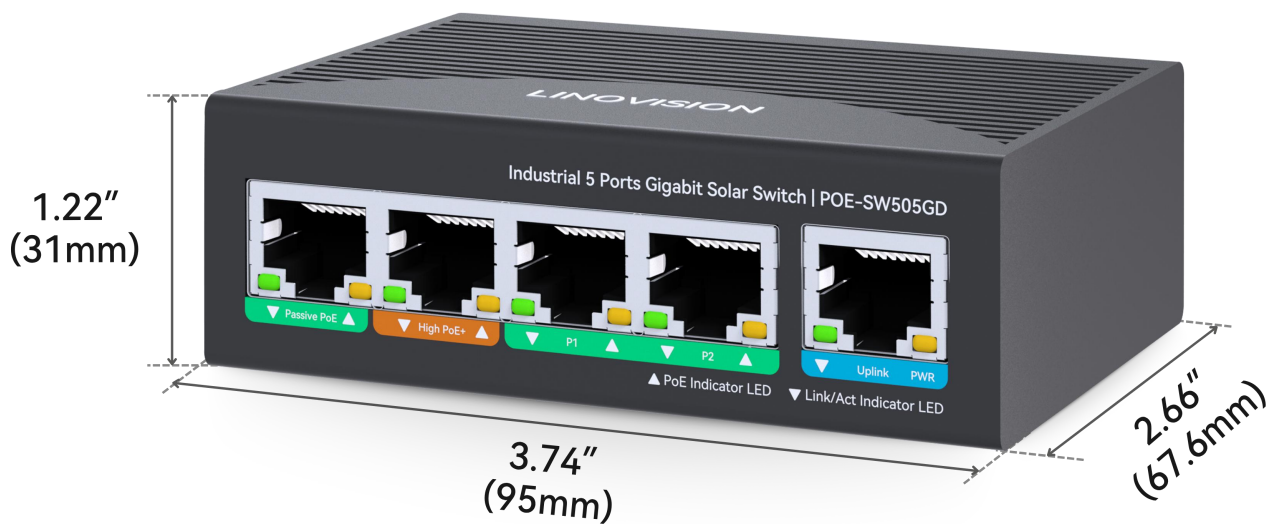
It can be triggered manually, or by schedule, or by event workflow.

Connection Diagram



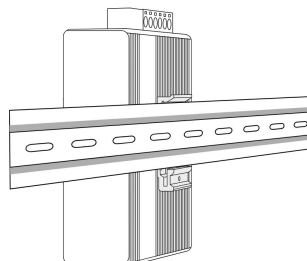
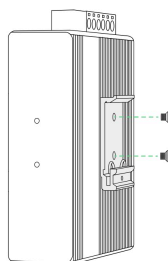
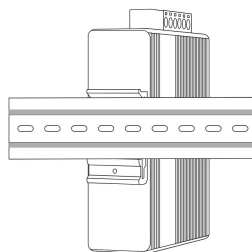
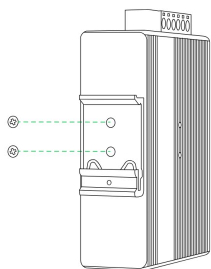
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Dimension

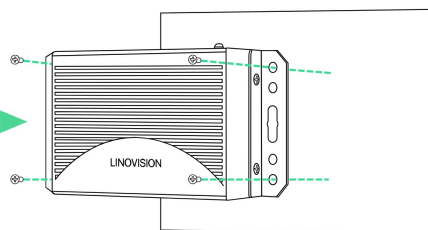
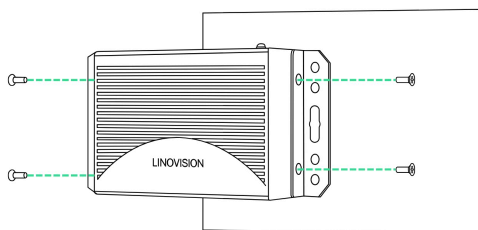


Weight: 250g (0.551 lb)

Installation



DIN-Rail Mounting



Wall Mounting

Package



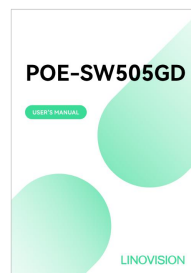
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DIN-Rail Mounting Accessory



Wall Mounting Accessory



User Manual