



AL-iGAT-Rebooter iPoE family OOB gigabit PoE power controller, logger, timer



[Product Description - PoE power switch / Reboot device / logger / timer](#)

This AX-LED™ device is designed to turn PoE power on/off to remote devices. This is not an Ethernet repeater – distance is limited to 328 ft (100 mtr) total. Many rules are preprogrammed for PoE Power control. Circuit Breaker, Time of day, Dusk/Dawn, Cycle times, Ping success, Ping Fail, Ping Follow, and HTTP are some of the rules. All communication and control with the device is Out Of Band – it has no link to the data passing thru. The device communicates over a built in WiFi access point and client – inline data is not modified nor accessible - for enhanced security and zero latency.

It has two versions, mode A for 802.3af and 802.3at systems, and mode B for passive PoE systems. It provides a low cost solution for turning PoE power on and off to any device up to 328ft of from the power source. It can be located at the injector/switch end of the link, or at the remote end, or anywhere in the middle. This device allows power to be carried on 10/100/1000 networks with up to 25 watts on CAT5e, CAT6 or CAT7 Ethernet network cable. That power can be turned on and off based on many conditions. Data is passed thru unchanged.

The AL-iGAT-1A is intended for use with standard PoE Switches. it takes power from the PoE line with mode A pinout without interfering with client negotiation. The PoE source supplies 15 or 25 watts depending on the attached device, and the AL-iGAT-1A can cut that power on demand. During the off condition, very little power is consumed by the device from the PoE switch, just enough to keep the PoE PSE alive.

The AL-iGPOE-1B and AL-iPoE-1B are Intended for use with Passive 24v systems, it takes power from the PoE line with mode B pinout. The PoE source supplies up to 30 watts, and the AL-iGPOE-1B can cut that power on demand.

Built in Geolocation allows automatic registration of the installation location of the device, simplifying installation and inventory tracking. Power can be turned on and off based on:

- time of day - fixed times or dusk / dawn based on location
- pinging an IP address or URL – turning on or off based on failure or success
- remote control from the cloud
- circuit breaker – shut off if power is exceeded
- 802.3af / 802.3at keep alive current setting

Power consumption of the attached device can be logged remotely to our or your server in amps, volts and watts.

[Specifications](#)

Power and data source input	10/100/1000 Ethernet – RJ 45 male connector
Data and controlled power out	10/100/1000 Ethernet – RJ45 female
Power input Pins 802.3af / 802.3at ATX-iGAT-1A	3&6 + plus, 1&2 – minus – use the XRJ45A for to convert other polarities
Power input Pins Passive ATX-iGPOE-1B	4&5 + plus, 7&8 – minus
Reverse protection, surge protection	Yes, TVS protection.
802.3af /3at class	Pass thru from Client
Input Voltage range	20 to 57 volts
Input Current at 48v	200 mw active, under 1 mw average when off.
Insertion Loss – 802.3af mode	Under 200 mv at 600 ma
Insertion Loss – Passive PoE	Under 200 mv at 600 ma
802.3af keep alive	Auto keep alive for indefinite off times
Operating Temperature	0°C ~ 50°C
Size	24 x 30 x 80 mm with 20 cm cord

iGAT-1A Setup

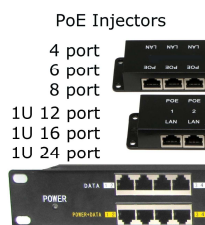
[Run](#) [Refresh](#)

PoE Out	<input checked="" type="checkbox"/> On
Measured	47.8 V 224 mA 10.5 W
Manual	<input type="checkbox"/> Off... <input type="checkbox"/> Cycle <input checked="" type="checkbox"/> On...
Ping	<input checked="" type="checkbox"/> Active # Reboots 0

last WAN status is **Ping OK**

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[ping](#) [html](#)
[time of day](#) [logging](#)
[circuit breaker](#) [cloud](#)
[run](#) [main](#)
[server](#) [gps](#)

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PoE-World injectors



Any PoE Switch