PoE World

World Class
Injectors Switches Splitters
Extenders Testers

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10 to 60 Watt PoE Splitters

GAF-Lighting-PD-V4
AT-USBC-Rev3
GBT-USBC-PD
GAT-USBC-PD-V4

Product Description – GAT-USBC PoE Power Splitter Family

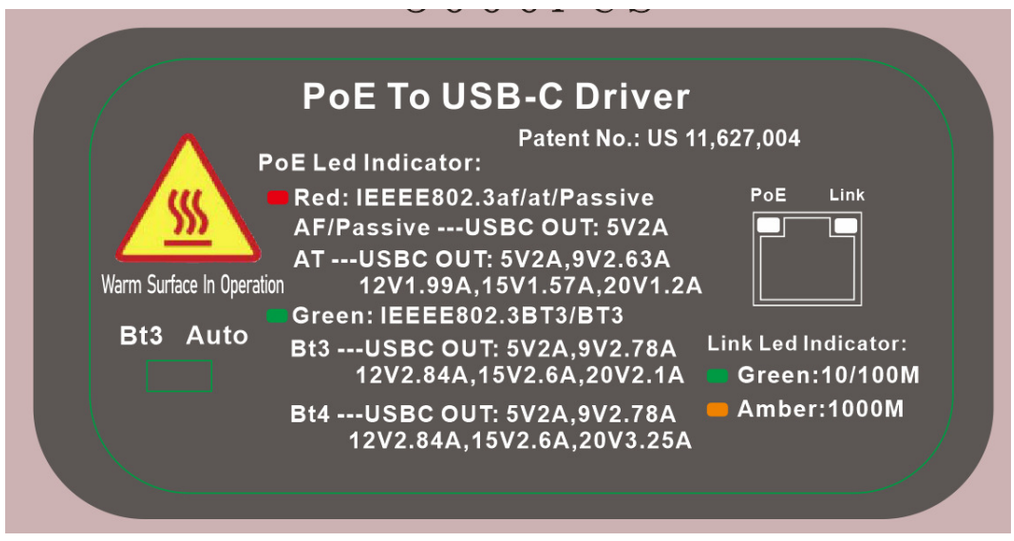
These devices providesa powerful solution for delivering up to 65 watts of power to a USB-C device over 328ft of network cable. These splitters allow power to be carried on CAT-5e or CAT-6 network cables using 802.3af, 802.3at, or 802.3bt standards or 56 volt passive PoE. 802.3af switches can be used – but only 12 watts can be delivered without overload. 10/100/1000 or 10/100 switches can be used – the devices allow 10/100/1000 at full duplex rates to the remote device.

Intended for use with any PoE switch – these active PoE solutions negotiate with the switch to activate power and provide it to the client device. It is a compact and cost effective power solution. The PoE switch supplies 48, 51 or 56 volts DC at the source location. The higher DC voltage means the current is reduced by a factor of 9 compared to 5 volts, and then carried with 90% less loss over the Ethernet cable from the source, the USB-C converter at the remote end allows you to extend the charge distance for this application up to 328ft or 100 meters.

Simple usage:
Step a) use an Ethernet cable to connect the RJ45 female of the GAT-USB-C to your PoE switch or injector up to 100 meter distance.
Step b) connect the USB-C output via a USB-C high current rated cable, to your device at short distance

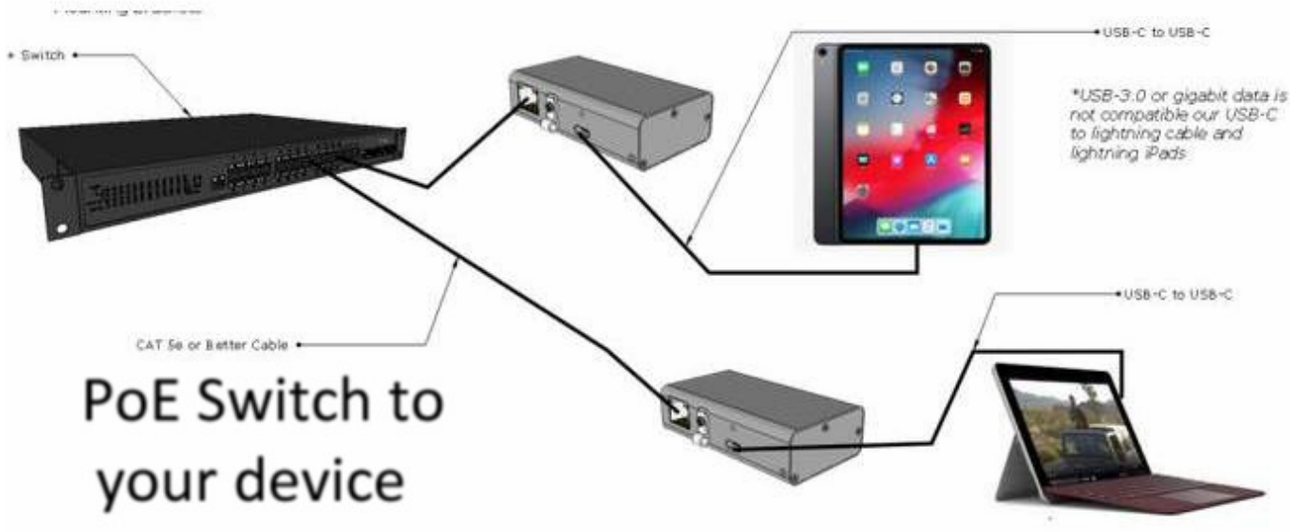
Four Models:

	Data	Cable	Max Power
GAF-Lighting-PD-V4	Gbit	Lightning	10w
AT-USBC-Rev3	None	USBc	25w
GBT-USBC-PD	Gbit	USBc	65w
GAT-USBC-PD-V4	Gbit	USBc	23w



Specifications

Data and Power source	RJ 45 female connector
DC output	USB-C connector
Data	10/100/1000mbit/s RJ45 Ethernet adapter needed
Data+Power input Pins (802.3at mode A or mode B, Class 4)	1&2 and 3&6 – either polarity 4&5 plus and7&8 minus
Input Voltage Max	Up to 57 volts
Input Current at 48v	600 mA input delivers 25 watts
Output Voltages	Autonegotiate (see table)
Internal Power usage	300 mW Keep Alive
Operating Temperature	0°C ~ 50°C
Size	76 x 44 x 23mm
Weight	3.5 ounces
LED status (on RJ45 connector)	Green – Power In Active Amber – Power Out Active
Isolation	3,000 volt isolation between PoE and power out

Right Angle, USBC cable option,

Lightning cable option