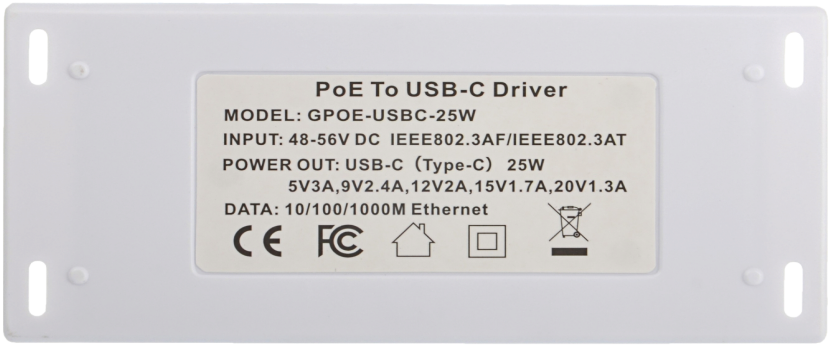
802.3at compatible Gigabit Splitter from PoE to USB-C

GAT-USB-C



Product Description

This device works with any 802.3at switch, it takes the 44 to 56 volts from the PoE switch, and converts that voltage to USB-C standard voltages and removes power from the data - it works with gigabit data speeds. Can also work with an 802.3af switch if the ouput is used below 13 watts.

Intended for use with Cisco or similar PoE switches – this PoE solution appears like a standard Class 4, 25 watt device. The PoE switch can send either polarity, and only 2 pairs are required for power, 4 pairs for gigabit data, 2 pairs for 10/100.

The ouput is fully isolated from the input voltage. Grounding is of no concern. The ouput power is on a USB-C connector. The voltage is defined by a negotiation between the attached device and the GAT-USB-C. The supported voltages with copper AWG24 CAT-5e or better:

	56 volt 802.3at	51 volt 802.3at	48 volt (non standard) 802.3at	802.3af
5 volts	3 amps	3 amps	3 amps	not supported
9 volts	2.4 amps	2.5 amps	2.3 amps	
12 volts	2 amps	1.9 amps	1.7 amps	
15 volts	1.7 amps	1.5 amps	1.4 amps	
20 volts	1.2 amps	1.1 amps	1.0 amps	

The USB-C connector offers no data - use the RJ45 for data.

Specifications

Data speed	10/100/1000 mb/s
Input Voltage	802.3af / 802.3at / passive 44 to 57 volts at 600 mA max
Output Voltage	determined by attached device
Internal power use	400 mw (keep alive 802.3af)
Operating Temperature	0°C - 50°C
Data	Transparent
Isolation	1500 Volts
Size	107 x 50 x 25 mm
802.3at	Class 4
PoE Power input Pins	1&2 and 3&6 – either polarity – mode A 4&5 + and 7&8 minus – mode B Shielded RJ45

Data output	Shielded RJ45
Power out DC connector	Female USB-C
LED status on Female RJ45	Right - Power In active = Green Left - Power out active = Amber

Related Products

GAT-5v10w - lower power and cost
GAT-5v20w - fixed voltage
AT-4 - high power injector
AT-Extender - long runs