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AT-USB-C-JB  
86x86 mm Splitter  
power +  
10/100mb Data  
for USB-C to 25 watts



Product Description – AT-USB-C-JB PoE supply and Data adapter for Euro boxes

This device provides a powerful solution for delivering power and wired Ethernet data to a USB-C device over 328ft of network cable. This splitter allows power to be carried on CAT-5e or CAT-6 network cables using either 802.3at standard or 56 volt passive PoE. 802.3af switches can also be used – but only 12 watts can be delivered without overload. 10/100/1000 or 10/100 switches can be used – the device will negotiate at 10/100 full duplex rates.

Intended for use with any 802.3at PoE switch – this active PoE solution negotiates 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 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) connect your PoE switch to an internet router
- Step b) use an Ethernet cable to connect the RJ45 female to your PoE switch up to 100 meter distance.
- Step c) connect the USB-C output via a USB-C high current rated cable, to your device
- Step d) run speed test

The Ethernet cable can be 568A or 568B style, and only 2 pairs (orange and green) are required.

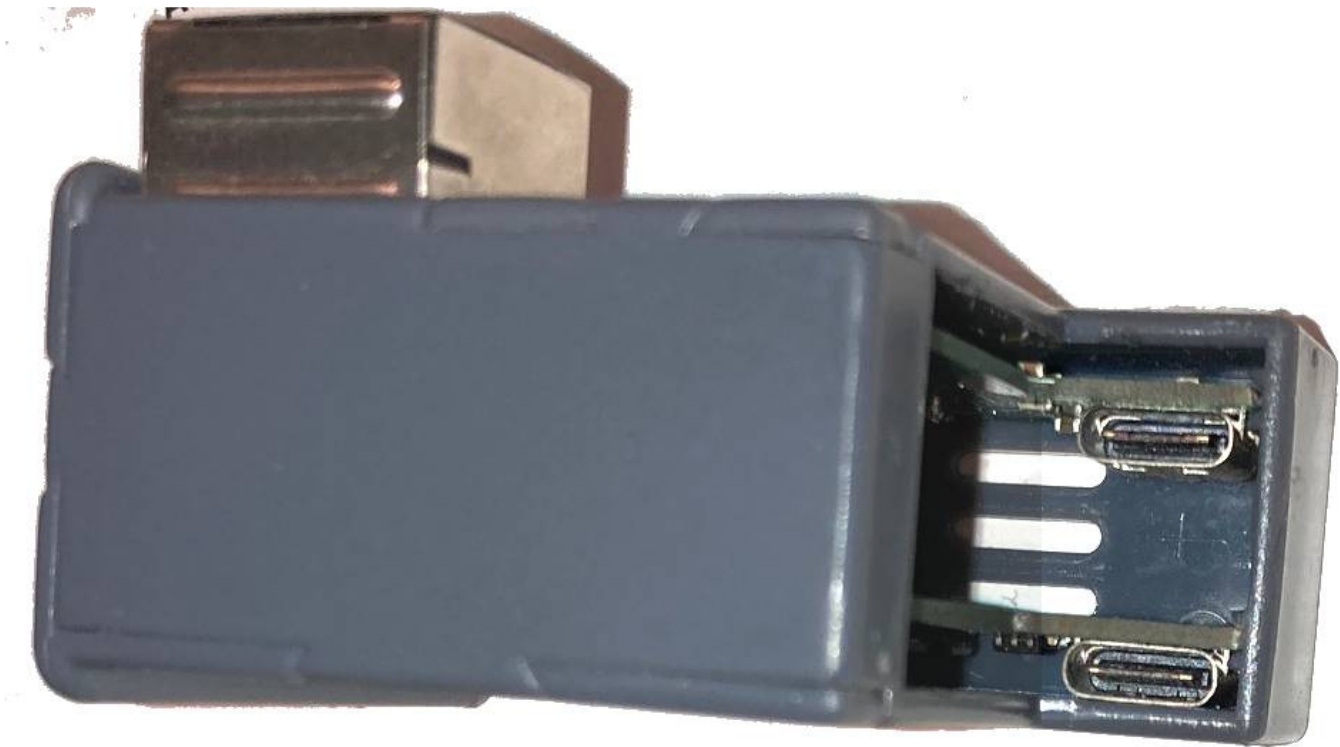
Specifications

Data and Power source	RJ 45 female connector
DC power output	USB-C connectors A or B
Data	10/100mbit/s
Data Output	RJ45 Ethernet to USB-C bridge inside
Data+Power input Pins	USB-C connector B only
( 802.3at mode A or mode B, Class 4)	1&2 and 3&6 – either polarity
Input Voltage Max	4&5 plus and 7&8 minus
Input Current at 48v	Up to 57 volts
Output Voltages	600 mA input delivers 25 watts
Internal Power usage	Autonegotiate ( see table)
Operating Temperature	750 mW
Size	0°C ~ 50°C
Weight	57 x 42 x 34 mm
Isolation	3.5 ounces
	Not isolated. Current may flow between the USBC connector ground and the PoE switch ground.

USB-C  
Voltage

Output Current and Watts with 56 volt 802.3at and 100 meters

5.0 V	2.60 Amps   13 Watts
9.0 V	1.78 Amps   16 Watts
12 V	1.35 Amps   16 Watts
15 V	1.38 Amps   20 Watts
20 V	1.15 Amps   24 Watts



Dual USBc connectors ( A left and B right)

