



PoE World

World Class
Injectors Switches Splitters
Extenders Testers

Our Locations and Partners :

PoE-Texas Austin Texas PoE-India Pune
India
PoE-UK London England PoE-World Shenzhen
China

<http://poe-world.com>

AT-USB-C-JB 86x86 mm Splitter power + 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 RJ45 Ethernet to USB-C bridge inside |
| Data Output | USB-C connector B only |
| Data+Power input Pins (802.3at mode A or mode B, Class 4) | 1&2 and 3&6 – either polarity 4&5 plus and 7&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 | 750 mW |
| Operating Temperature | 0°C ~ 50°C |
| Size | 57 x 42 x 34 mm |
| Weight | 3.5 ounces |
| Isolation | Not isolated. Current may flow between the USBC connector ground and the PoE switch ground. |

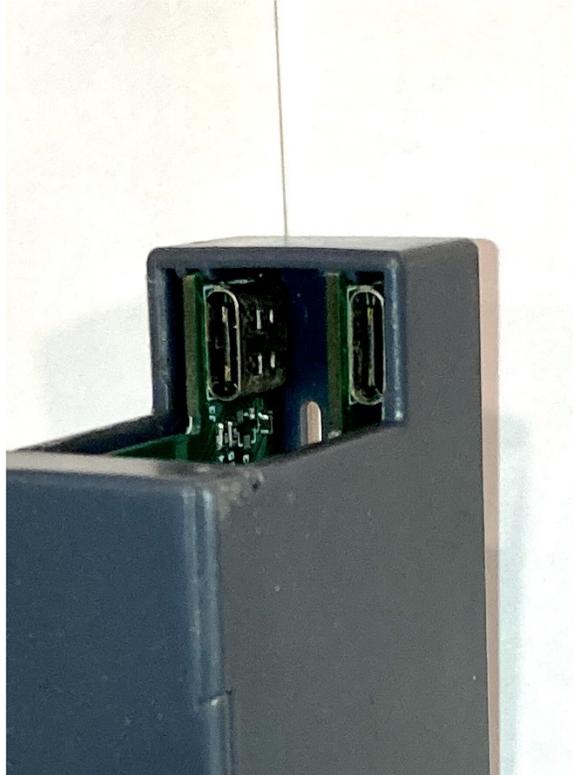


USB-C
Voltage

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

5.0 V
9.0 V
12 V
15 V
20 V

2.60 Amps | 13 Watts
1.78 Amps | 16 Watts
1.35 Amps | 16 Watts
1.38 Amps | 20 Watts
1.15 Amps | 24 Watts



Dual USB connectors (A left and B right)

