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

# AF-USBC-JB

## 802.3af Splitter power + Data

## 86x86 mm

## 10/100mb Data for USBC to 10 watts


Product Description – AF-USBC-JB PoE supply and Data adapter for Euro boxes

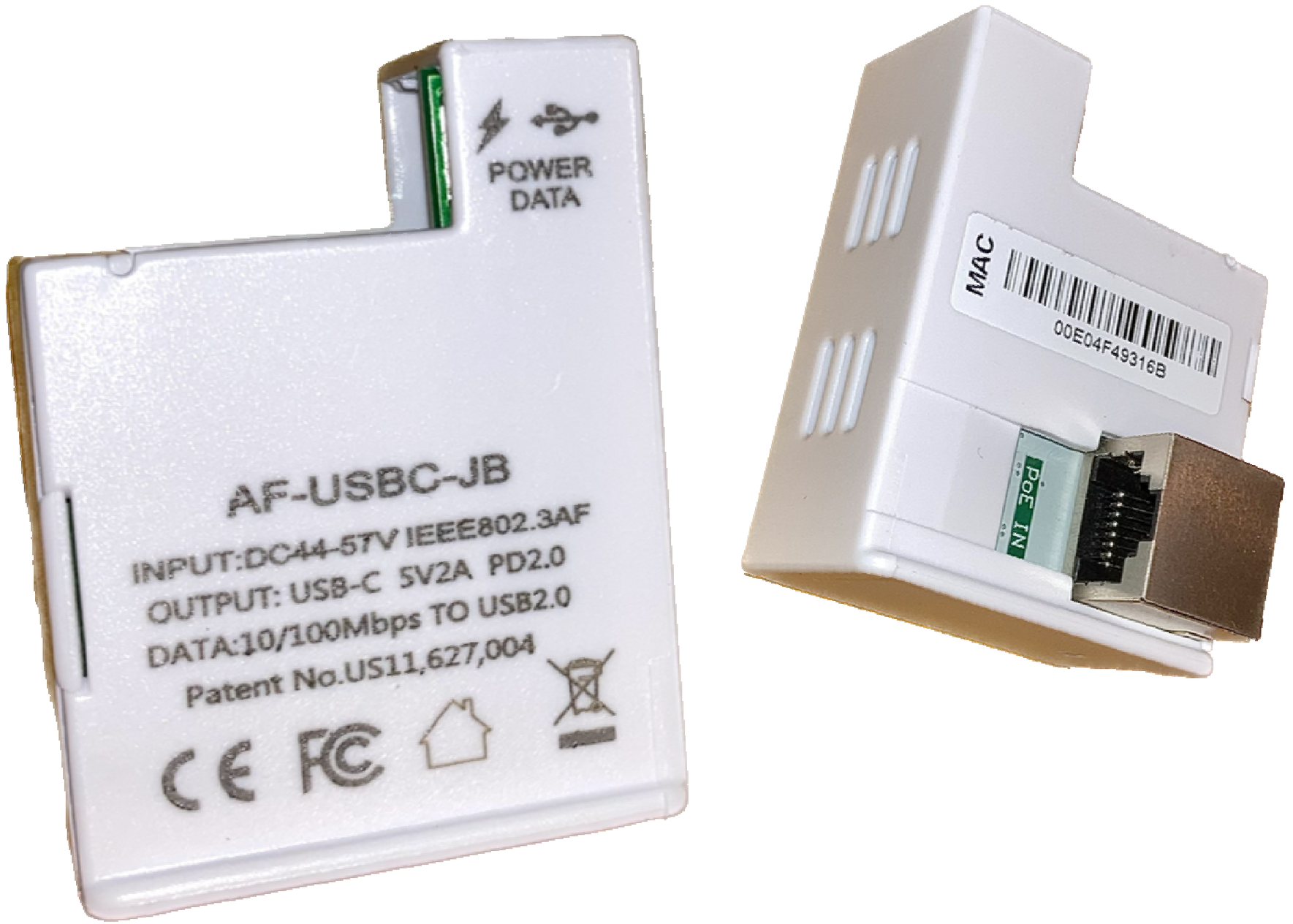
This device provides a powerful solution for delivering power and wired Ethernet data to a USBC device over 328ft of network cable. This splitter allows power to be carried on CAT-5e or CAT-6 network cables using either 802.3af standard or 48 volt passive PoE. 10/100/1000 or 10/100 switches can be used – the device will negotiate at 10/100 full duplex rates.

Intended for use with any 802.3af 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, 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 USBC converter at the remote end allows you to extend the charge distance for this application up to 328ft or 100 meters.

Specifications

| | |
|---|---|
| Data and Power source | RJ 45 female connector |
| DC power output | USBC connectors A or B |
| Data | 10/100mbit/s<br>RJ45 Ethernet to USBC bridge inside |
| Data Output | USBC connector B only |
| Data+Power input Pins<br>( 802.3af mode A or mode B) | 1&2 and 3&6 – either polarity<br>4&5 plus and7&8 minus |
| Input Voltage Max | Up to 57 volts |
| Input Current at 48v | 250 mA input delivers 10 watts |
| Output Voltage | 5v |
| Internal Power usage | 620 mW |
| Operating Temperature | 0°C ~ 50°C |
| Size | 57 x 42 x 34 mm |
| Weight | 3.5 ounces |
| Isolation | Isolated – no connection and full isolation between input poe power and output power |

| USBC Voltage | Output Current and Watts with 44-56 volt 802.3af and 100 meters |
|---|---|
| 5.0 V | 2 Amps \| 10 Watts |


POWER
DATA
AF-USBC-JB
INPUT:DC44-57V IEEE802.3AF
OUTPUT: USB-C 5V2A PD2.0
DATA:10/100Mbps TO USB2.0
Patent No.US11,627,004
MAC
00E04F49316B
PoE IN


MAC
00E04F49316B
PoE IN
POWER
DATA
AF-USBC-JB
INPUT:DC44-57V IEEE802.3AF
OUTPUT: USB-C 5V2A PD2.0
DATA:10/100Mbps TO USB2.0
Patent No.US11,627,004

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 USBC output via a USBC 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.