

WT-GAF-USB2 splitter with 2 USB sockets + gigabit Data



Product Description - WT-AF-USB2 inwall USB charger with Data

This device provides a low cost solution for delivering power to a USB device over 328ft of network cable. It allows power to be carried on 10/100/1000 network cables with either 802.3af PoE switches or passive injectors with any CAT5e, CAT6 or CAT7 Ethernet network cable.

Intended for use with Cisco or similar PoE switches – 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, and then carried with 90% less loss over the Ethernet cable from the source, the 5v converter at the remote end allows you to extend the distance with this product for this application up to 328ft or 100 meters.

We also offer kits with up to 16 injectors and splitters – so one power supply can feed 4, 8, 12 or 16 USB splitters.. These kits include the Multi Port Passive POE injector and a power supply of either 30 watts, 60 watts or 120 watts.

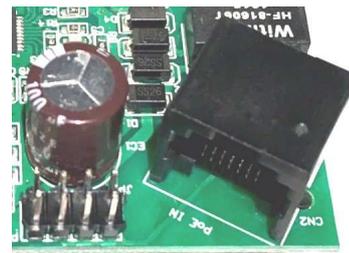
The Ethernet cable can be 568A or 568B style, and only 2 pairs are required for 10/100 operation. If required – data from the switch or injector is on the female RJ45 connector. For use with WiFi-Texas 10/100 mode B passive injectors - 4 jumpers need to be set.

Specifications

Power and data source	RJ 45 female connector
DC output	Female USB – Apple pinout Female USB – Android pinout
Data only connector	10/100/1000 BASE-T RJ-45 male
Data Pins out – male RJ45	All pins active for gigabit speeds
Power input Pins	1&2 and 3&6 – either polarity – mode A
802.3af (mode A or mode B)	4&5 + and 7&8 - - mode B – jumper option
Mode B jumpers	4 required, standard 0.1 inch
Input Voltage Max	Up to 57 volts
Input Current at 48v	230 ma input delivers 2 amps out
Output Voltage Max load	5v +- 2% at 2.4 amps 12 watts total
Output Voltage no load	5.2v
Operating Temperature	0°C ~ 50°C
Size	106.7 x 35.5 x 53 mm including frame (pcb height 67 mm)

Charging current

Apple iPad	– 2 amps full charge rate
Android	– 2 amps full charge rate
Other USB	– 10 watts available



Power / Data input