

WiFi-Texas Brand  
**WT-AF-5v10w**  
**Isolated Splitter**  
**power only for**  
**Lightning®**

Lightning® connectors is a registered trademark of Apple Inc®



Product Description - WT-AF-5v10w with Lightning® adapter

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

Use with PoE switches or WiFi-Texas passive Injectors like the WS-POE-12-48v120w.

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 to 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 5v converter at the remote end allows you to extend the charge distance for this application up to 328ft or 100 meters.

We also offer kits with up to 24 injectors and splitters – so one power supply can feed 4, 8, 12, 16 or 24 USB devices. These kits include the Multi Port Passive POE injector and a power supply of either 30 watts, 60, 120 or 240 watts.

- Step a) use an Ethernet cable to connect the RJ45 female to your PoE switch up to 100 meter distance.
- Step b) connect the Lightning® male adapter to your Apple device

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

Specifications

|                                 |  |
|---------------------------------|--|
| Power source                    | RJ 45 female connector                         |
| DC output                       | Apple Lightning                                |
| Power input Pins                | 1&2 and 3&6 – either polarity V3 or V5         |
| ( 802.3af mode A or B )         | 4&5 plus and 7&8 minus V5 only                 |
| Input Voltage Max               | Up to 57 volts                                 |
| Input Current at 48v            | 225 ma input delivers 2 amps out               |
| Output Voltage Max load (5v10w) | 5v +- 2% at 2 amps 10 watts                    |
| Output Voltage no load          | 5.2v   |
| Operating Temperature           | 0°C ~ 50°C                                     |
| Size                            | 24 x 30 x 80 mm with 20 cm cord                |
| Weight                          | 2.5 ounces                                     |
| Isolation                       | 3,000 volt isolation between PoE and power out |



Also available with Data, USB, MicroUSB or Lightning

Use with any mode A WiFi-Texas PoE injector or PoE switch



PoE Tester



PoE Injectors

4 port  
 6 port  
 8 port  
 1U 12 port  
 1U 16 port  
 1U 24 port

WiFi-Texas injectors



Any PoE Switch