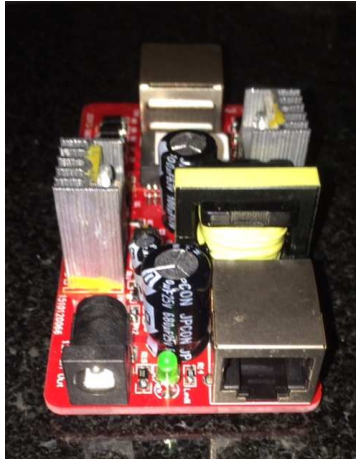




WS-GPOE-12v36w for Surface Pro and Apple Airport Extreme



Product Description - [WS-GPOE-12v36w high power, gigabit PoE splitter](#)

This device provides a low cost solution for delivering 36 watts power to a 12 volt high power device over 328ft of network cable. This device allows power to be carried on 10/100/1000 networks with passive injectors and CAT5e, CAT6 or CAT7 Ethernet network cable. RF transformers allow power and data to share all 4 pairs in the wire.

Intended for use with WiFi-Texas passive AB mode injectors or switches - this PoE DC-DC converter solution provides always on power to the client device. It is a compact and cost effective power solution. The injector (not included) supplies 48 or 56 volts DC at the source location. The higher DC voltage means the current is reduced by a factor of 4, and then carried with less loss over the 10BASE-T or 100BASE-T network cable. The splitter extracts the DC voltage from the network cable and reduces the voltage to 12v, and increases the available current by the same factor to power the device from 2.1 mm x 5.5 mm DC plug. Unlike simple injector / splitter sets, this combination of a 48v source and 12v converter allows you to extend the distance with this product for this application up to 328ft or 100 meters. Use our single injector or our 6 port injector, with a 56 volt power supply.

The device can be used with data at 10/100 or 1000 mbit/s.

Typical Applications

- Microsoft Surface Pro 3 needing 12 volt 36 watt supply
- Samsung Windows tablet needing 12v 36 watt supply
- Apple Airport Extreme



Specifications

Power and data source	RJ 45 female connector
DC output	2.1mm x 5.5mm female
Data only connector	10/100/1000 RJ-45 male
Data Pins out - male RJ45	1&2 and 3&6, 4&5 and 7&8
Power input Pins mode B	4&5 and 7&8 - either polarity, with data
Power input Pins mode A	1&2 and 3&6 - either polarity, with data
Input Voltage Max	Up to 57 volts
Input Current at 48v	950 ma input delivers 3 amp out
Output Voltage Max load (12v36w)	12v +- 2% at 3 amps 36 watts
Output Voltage no load	12v
Operating Temperature	0°C ~ 50°C
Size	82 x 42 x 25 mm
Plastic case:	http://www.mcmelectronics.com/product/21-15332

Charging cable for Surface Pro 3 (not included)



48 watt injector

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