# GAF-48v12w
# Gigabit PoE splitter



## Product Description - GAF-48v12w splitter

This device works with any 802.3af switch, it takes the 44 to 56 volts from the PoE switch, and outputs that voltage onto mode B passive.   Many Mikrotik devices need this function.

Intended for use with Cisco or similar PoE switches – this pass thru PoE solution appears like a standard Class 3, 12.95 watt device    The PoE switch can send either polarity, and only 2 pairs are required for power, 4 for data.

There is no DC-DC conversion inside, nor isolation.   Output ground could be -48v in some cases.

## Specifications

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| Power and data source | RJ45 Male |
| Data speed | 10/100/1000 |
| Power and data output | RJ45 Female |
| Input Voltage | 44 to 57 volts |
| Output Voltage | same as input minus 0.6 volts |
| Internal power use | 300 mw |
| Operating Temperature | 0°C - 50°C |
| Data | Transparent |

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| --- | --- |
| PoE Power input Pins | 1&2 and 3&6 – either polarity – mode A<br>4&5 +  and 7&8 minus – mode B<br>802.3af negotiation |
| PoE Power output pins | 4&5 plus and 7&8 minus  – mode B |
| 802.3af | Class 3 |
| LED status on Female RJ45 | Right - Power In active = Green<br>Left  - Power out active = Amber |

Related Products  GAF-48v25w  - higher power
                 AT-4  - high power injector
                 GAT-Extender - long runs