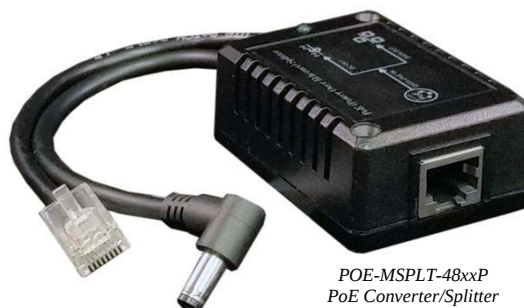


## PoE Splitter / Voltage Converter

### Features

- Very Compact Size
- Dual Output: 48V PoE plus 24VDC or 12VDC Output
- Converts an Active PoE Input to a DC output
- Output Power Up To 15W
- Short Circuit, Over Current Protection



POE-MSPLT-48xxP  
PoE Converter/Splitter

### Description

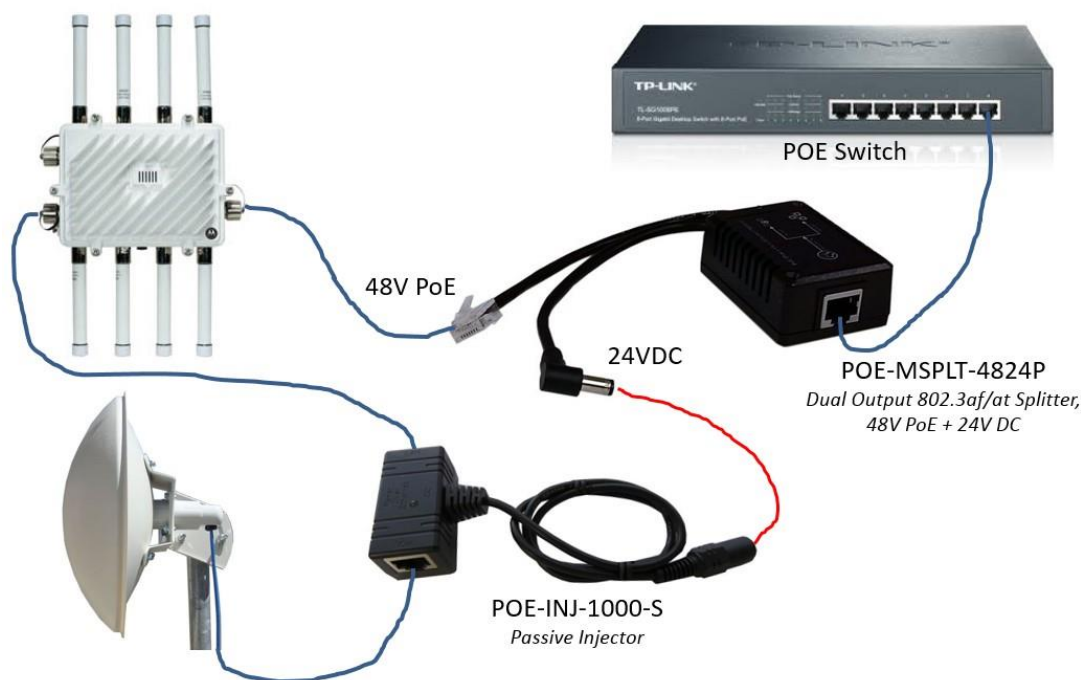
The POE-MSPLT-4824P is a unique splitter with dual outputs. It accepts 802.3af or 802.3at PoE and provides 48V PoE and 24VDC outputs concurrently so two separate devices can be powered. The POE-MSPLT-4812P provides 12VDC output. The DC output is provided on a standard 5.5mm/2.5mm barrel connector and the Data/PoE output is provided on standard RJ45 network connector, each on a dedicated 6" cable. The DC connector is compatible with Tycon passive PoE injectors like POE-INJ-1000-S for ease of integration. In addition to being compatible with 10/100MB Ethernet speeds, inputs and outputs are isolated and the devices include protections for short circuit and overload.

### Specifications

|                                     | POE-MSPLT-4824P                                             |                                 | POE-MSPLT-4812P   |                                 |
|-------------------------------------|-------------------------------------------------------------|---------------------------------|-------------------|---------------------------------|
| <b>Output Voltage</b>               | 48VDC Passive PoE                                           | 24VDC on 5.5/2.5mm DC Connector | 48VDC Passive PoE | 24VDC on 5.5/2.5mm DC Connector |
| <b>Output Current</b>               | 0.3A                                                        | 0.5A                            | 0.3A              | 0.5A                            |
| <b>Total Max Output Power</b>       | 15W                                                         |                                 |                   |                                 |
| <b>DC Output Connector</b>          | 5.5mm / 2.5mm Barrel Connector – Compatible with 2.1mm also |                                 |                   |                                 |
| <b>Data Output Connector</b>        | RJ45                                                        |                                 |                   |                                 |
| <b>Output Cable Length</b>          | 153mm (6")                                                  |                                 |                   |                                 |
| <b>Load Regulation &amp; Noise</b>  | 5%                                                          |                                 |                   |                                 |
| <b>Line Regulation &amp; Ripple</b> | 1%                                                          |                                 |                   |                                 |
| <b>PoE Input (RJ45)</b>             | IEEE 802.3af/at or Passive PoE (36 – 60VDC)                 |                                 |                   |                                 |
| <b>Ethernet Speed</b>               | 10/100MB                                                    |                                 |                   |                                 |
| <b>Efficiency</b>                   | 75% Min                                                     |                                 |                   |                                 |
| <b>EMC Standards</b>                | FCC Class B NE55022 Class B                                 |                                 |                   |                                 |
| <b>Isolation Voltage</b>            | 1500VDC                                                     |                                 |                   |                                 |
| <b>Isolation Resistance</b>         | 100M Ohms Minimum                                           |                                 |                   |                                 |
| <b>Operating Temperature</b>        | -25 to +50°C (-13 to +122°F)                                |                                 |                   |                                 |
| <b>Operating Humidity</b>           | 5% - 90% non-condensing                                     |                                 |                   |                                 |
| <b>Storage Temperature</b>          | -40 to +80°C (-40 to +176°F)                                |                                 |                   |                                 |
| <b>Dimensions (LxWxH)</b>           | 65 x 45 x 26mm<br>(2.6 x 1.8 x 1")                          |                                 |                   |                                 |
| <b>Weight</b>                       | 62g (2.2oz)                                                 |                                 |                   |                                 |
| <b>Warranty</b>                     | 1 Year                                                      |                                 |                   |                                 |

**Device Pinouts – 10/100MB**

| RJ-45 Input (Data + Power) |             |                          | RJ-45 Output (Data) |                  |
|----------------------------|-------------|--------------------------|---------------------|------------------|
| Pin                        | Symbol      | Description              | Symbol              | Description      |
| 1                          | RX+ / Vin+- | Data Receive(+) & Power  | RX+                 | Data Receive(+)  |
| 2                          | RX- / Vin+- | Data Receive(-) & Power  | RX-                 | Data Receive(-)  |
| 3                          | TX+ / Vin+- | Data Transmit(+) & Power | TX+                 | Data Transmit(+) |
| 4                          | Vin+-       | Power                    | NC                  | No Connection    |
| 5                          | Vin+-       | Power                    | NC                  | No Connection    |
| 6                          | TX- / Vin+- | Data Transmit(-) & Power | TX-                 | Data Transmit(-) |
| 7                          | Vin+-       | Power                    | NC                  | No Connection    |
| 8                          | Vin+-       | Power                    | NC                  | No Connection    |

**POE-MSPLT-4824P Typical Application****System Ordering:**

**POE-MSPLT-4812P** Dual Output PoE Splitter/Voltage Converter 802.3af/at PoE Input to 48V PoE and 12VDC outputs.

**POE-MSPLT-4824P** Dual Output PoE Splitter/Voltage Converter 802.3af/at PoE Input to 48V PoE and 24VDC outputs.

**For further information contact:**

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