

## PoE Splitter / Voltage Converter

### Features

- Very Compact Size
- Dual Output: 48V Passive PoE and 48V, 24V 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-F  
PoE Converter/Splitter

### Description

The POE-MSPLT-48xxP-F is a unique splitter with dual outputs. It accepts 802.3af or 802.3at PoE and provides 48V PoE and 48V or 24V or 12VDC outputs concurrently so two separate devices can be powered. The DC output is provided on a standard 5.5mm/2.1-2.5mm barrel connector and the Data/PoE output is provided on standard RJ45 network connector, each on a 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.



POE-MSPLT-48xxP  
PoE Converter/Splitter

### Specifications

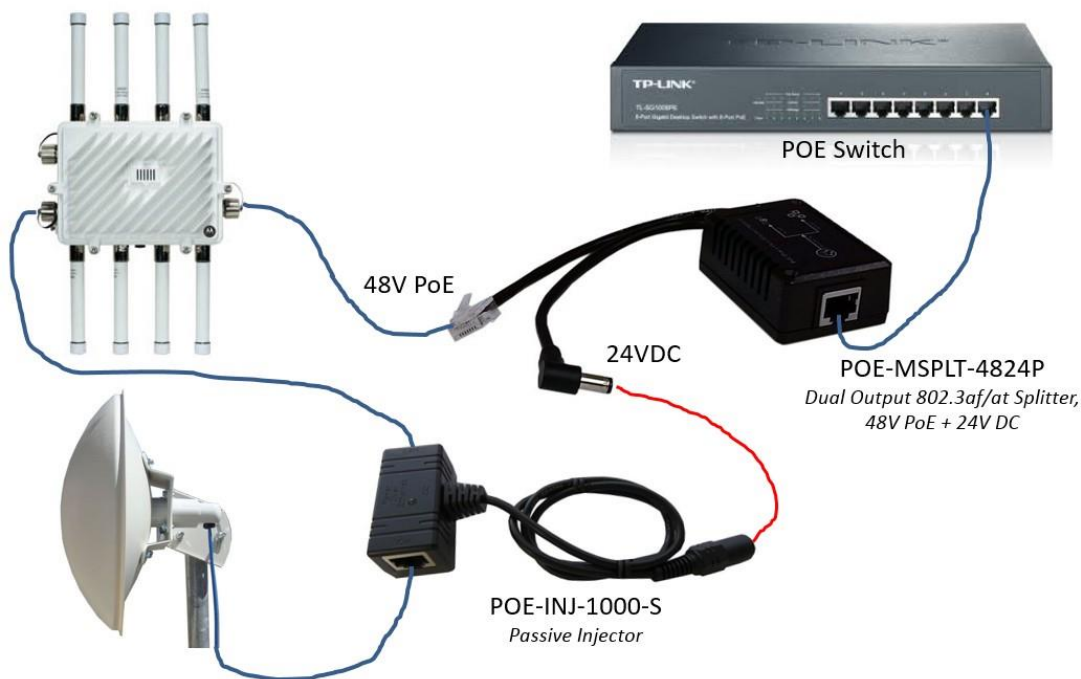
	POE-MSPLT-4812P (-F)		POE-MSPLT-4824P (-F)		POE-MSPLT-4848P (-F)	
<b>Output Voltage</b>	48VDC Passive PoE	12VDC on 5.5/2.5mm DC Connector	48VDC Passive PoE	24VDC on 5.5/2.5mm DC Connector	48VDC Passive PoE	48VDC on 5.5/2.5mm DC Connector
<b>Output Current</b>	0.4A	1A	0.3A	0.5A	0.4A	1A
<b>Total Max Output Power</b>	15W					
<b>DC Output Connector</b>	5.5mm / 2.1-2.5mm Barrel Connector					
<b>Data Output Connector</b>	RJ45 Plug, (-F version RJ45 Shielded Socket)					
<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>	-40 to +50°C (-40 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 (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 & 12VDC out. RJ45 Plug.
- POE-MSPLT-4812P-F** Dual Output PoE Splitter/Voltage Converter, 802.3af/at PoE Input to 48V PoE & 12VDC out. RJ45 Socket.
- POE-MSPLT-4824P** Dual Output PoE Splitter/Voltage Converter, 802.3af/at PoE Input to 48V PoE & 24VDC out. RJ45 Plug.
- POE-MSPLT-4824P-F** Dual Output PoE Splitter/Voltage Converter, 802.3af/at PoE Input to 48V PoE & 24VDC out. RJ45 Socket.
- POE-MSPLT-4848P** Dual Output PoE Splitter/Voltage Converter, 802.3af/at PoE Input to 48V PoE & 48VDC out. RJ45 Plug.
- POE-MSPLT-4848P-F** Dual Output PoE Splitter/Voltage Converter, 802.3af/at PoE Input to 48V PoE & 48VDC out. RJ45 Socket.

### For further information contact:

[Tyconsystems.com](http://Tyconsystems.com)



14641 S 800 W Ste A Bluffdale, UT 84065  
 PH: 801-432-0003 FAX: 801-618-4220