

PoE Splitter / Voltage Converter

Features

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



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.

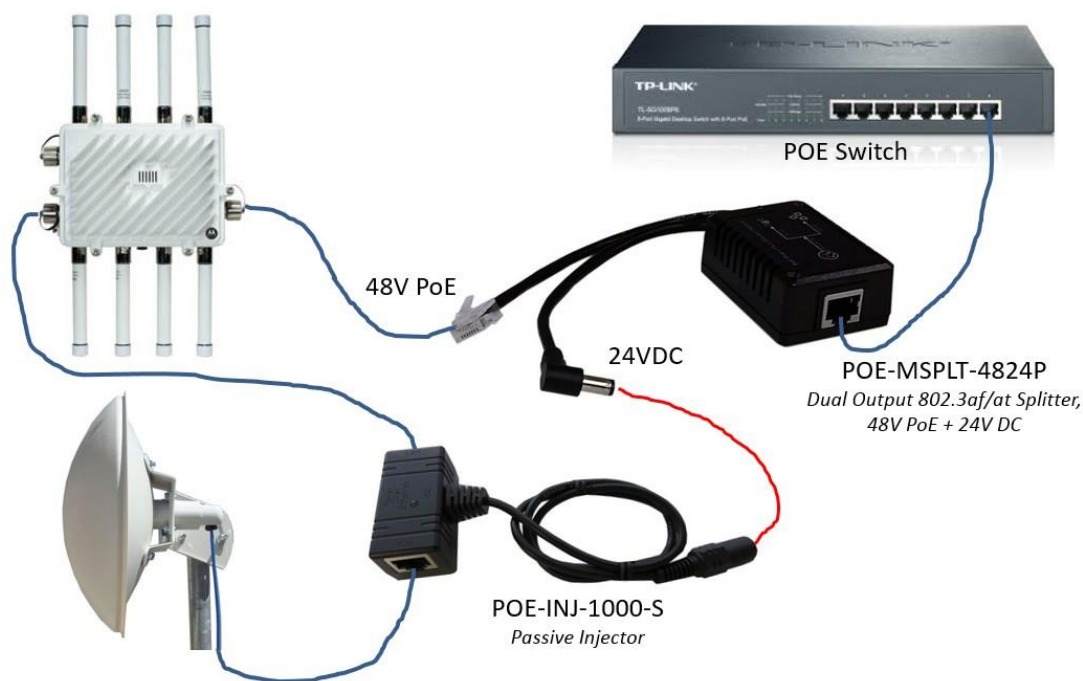


Specifications

	POE-MSPLT-4824P (-F)		POE-MSPLT-4812P (-F)	
Output Voltage	48VDC Passive PoE	24VDC on 5.5/2.5mm DC Connector	48VDC Passive PoE	12VDC on 5.5/2.5mm DC Connector
Output Current	0.3A	0.5A	0.4A	1A
Total Max Output Power	15W			
DC Output Connector	5.5mm / 2.5mm Barrel Connector – Compatible with 2.1mm also			
Data Output Connector	RJ45 Plug, (-F version RJ45 Shielded Socket)			
Output Cable Length	153mm (6")			
Load Regulation & Noise	5%			
Line Regulation & Ripple	1%			
PoE Input (RJ45)	IEEE 802.3af/at or Passive PoE (36 – 60VDC)			
Ethernet Speed	10/100MB			
Efficiency	75% Min			
EMC Standards	FCC Class B NE55022 Class B			
Isolation Voltage	1500VDC			
Isolation Resistance	100M Ohms Minimum			
Operating Temperature	-25 to +50°C (-13 to +122°F)			
Operating Humidity	5% - 90% non-condensing			
Storage Temperature	-40 to +80°C (-40 to +176°F)			
Dimensions (LxWxH)	65 x 45 x 26mm (2.6 x 1.8 x 1")			
Weight	62g (2.2oz)			
Warranty	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.

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