

DATA SHEET

PoE Splitter / Voltage Converter

Features

- Very Compact Size
- Dual Output: 48V PoE plus 24VDC 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 24VDC 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

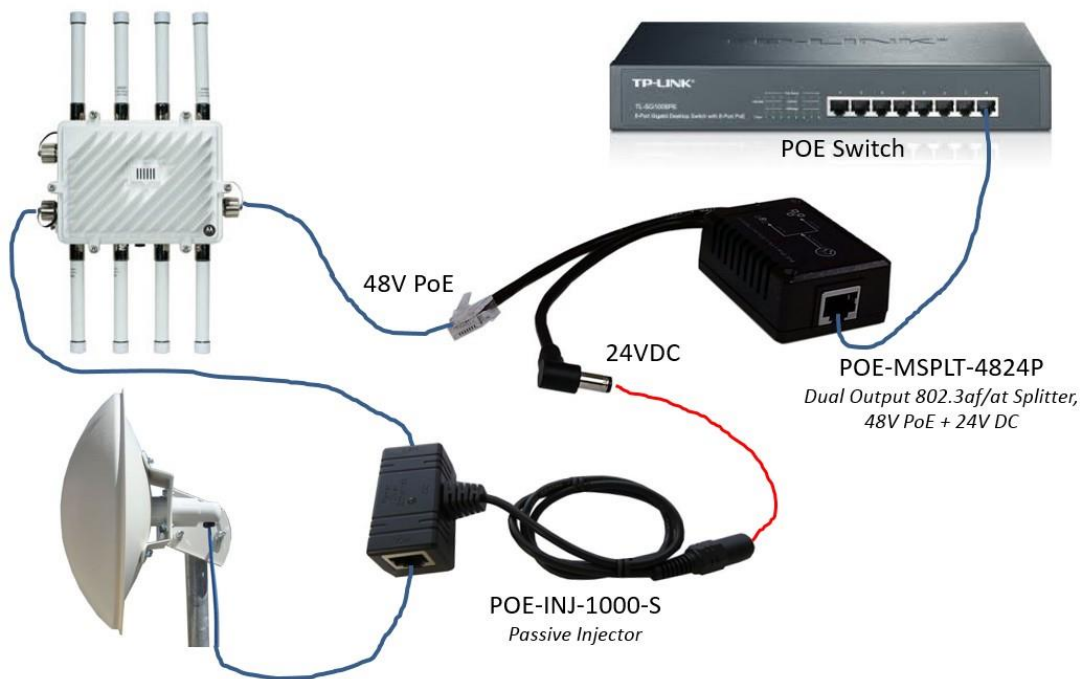
	POE-MSPLT-4824P	
Output Voltage	48VDC Passive PoE	24VDC on 5.5/2.5mm DC Connector
Output Current	0.3A	0.5A
Total Max Output Power	15W	
DC Output Connector	5.5mm / 2.5mm Barrel Connector – Compatible with 2.1mm also	
Data Output Connector	RJ45	
Output Cable Length	153mm (6")	
Load Regulation & Noise	5%	
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-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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