

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

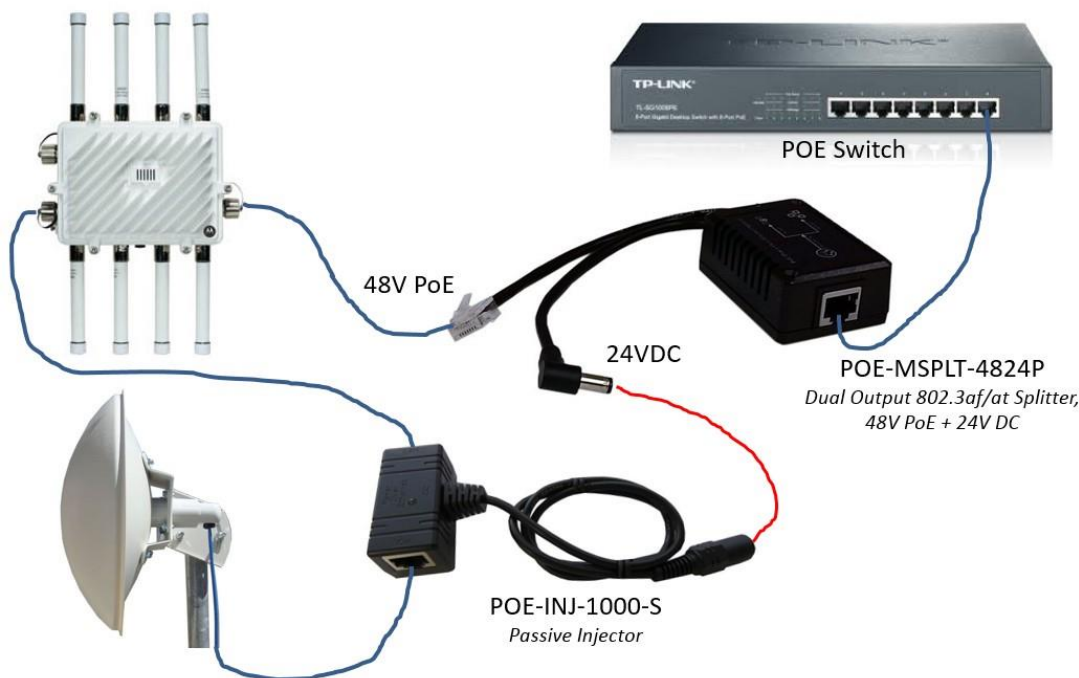
	POE-MSPLT-4812P (-F)		POE-MSPLT-4824P (-F)		POE-MSPLT-4848P (-F)	
Output Voltage	48VDC Passive PoE	12VDC on 5.5/2.5mm DC Connector	48VDC Passive PoE	24VDC on 5.5/2.5mm DC Connector	48VDC Passive PoE	48VDC on 5.5/2.5mm DC Connector
Output Current	0.4A	1A	0.3A	0.5A	0.4A	1A
Total Max Output Power	15W					
DC Output Connector	5.5mm / 2.1-2.5mm Barrel Connector					
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	-40 to +50°C (-40 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	3 Years					

Device Pinouts – 10/100MB

RJ-45 Input (Data + Power)			RJ-45 Output (Data + Power)	
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	V+
5	Vin++	Power	NC	V+
6	TX- / Vin++	Data Transmit(-) & Power	TX-	Data Transmit(-)
7	Vin++	Power	NC	V-
8	Vin++	Power	NC	V-



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:

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