

POE Splitter / Voltage Converter

Features

- Converts PoE input to PoE and VDC output
- Gigabit Ethernet compatible
- Combined Outputs up to 50W
- 2 pair and 4 pair input compatible
- PoE and 12V, 24V or 48V DC output on wire terminal connection.
- Short Circuit, Over Current, Under Voltage and Over Voltage Protection
- High Temperature Operation



*POE-SPLT-48xxG-P
PoE Converter/Splitter with
PoE passthru*

Description

The POE-SPLT-48xxG-P Active splitters are unique, Gigabit speed, Power over Ethernet adapters which convert an 802.3af/at PoE input to an 802.3af/at PoE output plus a VDC output of 12V, 24V or 48VDC on a wire terminal connector.

Inputs and outputs are isolated. They have various protections for short circuit, overload and over/under voltage. The splitters can be powered by an 802.3af PoE input if total output power is less than 15W. They can be powered by an 802.3at input if total output required is less than 30W. They can be powered by 48V Passive PoE if required output power is up to 50W. Input power should be 15% higher than required total output power.

Device Pinouts – 10/100/1000MB

RJ-45 Input (PoE & Data)			RJ-45 Output (PoE & Data)	
Pin	Symbol	Description	Symbol	Description
1	BI_DA+, Vin +/-	Data RX+ / Power(+/-)	BI_DA+	Data RX(+)
2	BI_DA-, Vin +/-	Data RX- / Power(+/-)	BI_DA-	Data RX(-)
3	BI_DB+, Vin +/-	Data TX+ / Power(+/-)	BI_DB+	Data TX(+)
4	BI_DC+, Vin +/-	Data RX+ / Power(+/-)	BI_DC+	Data RX(+), Power(+)
5	BI_DC-, Vin +/-	Data RX- / Power(+/-)	BI_DC-	Data RX(-), Power(+)
6	BI_DB-, Vin +/-	Data TX- / Power(+/-)	BI_DB-	Data TX(-)
7	BI_DD+, Vin +/-	Data RX+ / Power(+/-)	BI_DD+	Data RX(+), Power(-)
8	BI_DD-, Vin +/-	Data RX- / Power(+/-)	BI_DD-	Data RX(-), Power(-)

Specifications

	POE-SPLT-4812G-P	POE-SPLT-4824G-P	POE-SPLT-4848G-P
Output Voltage	12VDC & PoE+	24VDC & PoE+	48VDC & PoE+
Max PoE Output Power	30W	30W	30W
Max VDC Output	1.67A 20W	0.83A 20W	0.42A 20W
Max Combined Total Output Power	50W	50W	50W
Output Connectors	Shielded RJ45 & Wire Terminal (12AWG)		
Load Regulation	5%		
Line Regulation	1%		
POE Input (RJ45)	802.3at 48VDC (2 or 4 pairs), 40V to 60V		
Under Voltage Shutdown	<30VDC		
Ethernet Speed	10/100/1000MB (Gigabit)		
Efficiency	85% Min		
LED Function	Red = 802.3af Input or Passive PoE input Green = 802.3at Input		
EMC Standards	FCC Class B NE55022 Class B		
Isolation Voltage	1500VDC		
Isolation Resistance	100M Ohms Minimum		
Operating Temperature	-30 to +65°C (-22F to +149°F)		
Operating Humidity (RH)	5% - 90% non condensing		
Storage Temperature	-40 to +85°C (-40 to +185°F)		
Dimensions (LxWxH)	85 x 78 x 36mm (3.3 x 3.07 x 1.4")		
Weight	150g (5.3oz)		
Warranty	3 Years		

DIN Rail Mounting Option: Using kit #DIN-ClipKit-UNI



System Ordering:

POE-SPLT-4812G-P

POE-SPLT-4824G-P

POE-SPLT-4848G-P

PoE Splitter/Voltage Converter 802.3at PoE Input to 802.3at & 12V 20W output

PoE Splitter/Voltage Converter 802.3at PoE Input to 802.3at & 24V 20W output

PoE Splitter/Voltage Converter 802.3at PoE Input to 802.3at & 48V 20W output

For further information contact:

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