

Product Features

Typical Application

Interface

- 1 RJ45 Data Input Port
- 1 RJ45 Data and PoE Output Port

Power Source

- 100-240VAC 50/60Hz Auto-Ranging via North American Power Cord IEC C5 (3 Prong 2 ft.)
- Self-Consumption <1W

Power Handling

- 24-60W Depending on Model

Data Speeds

- 10/100/1000/10000 Mbps (10Gb)

Distance

- CAT6 10G to 55m—CAT6a 10G to 80m — CAT7 10G to 100m

Function

- Convert Grid Power to Passive PoE or 802.3at



Connections

AC Input	Data & PoE Output	
	RJ45 LAN Data Only	RJ45 PoE Data + PoE

PoE+ PoE++ Specs



24V PoE Specs



	TP-POE+10G	TP-POE++10G
AC Voltage Input	100-240 VAC 50/60Hz	
Output PoE Voltage	53 VDC +/- 2V, 802.3 af/at PoE Mode A	56 VDC +/- 2V, 802.3 af/at 4 Pair PoE Mode A & B
RJ45 Pins with Power	1,2 + 3,6 -	1,2,4,5 + 3,6,7,8 -
Maximum Load	0.6 A (31.8 W) Max	1A (56 W) Max
Protection	Short Circuit, Overcurrent, Surge/ESD (8 kV)	
Efficiency	78% Min.	84% Min.
Ripple and Noise	200 mV p-p Max	
Data Rate	10/100/1000/10000Mbps (10Gb)	
No Load Consumption	1.0 W Max	
Operating Temperature	-20 to +50°C	
Storage Temperature	-30 to +80°C	
Operating Humidity	10% - 90% N.C.	5% - 90% N.C.
Size (L x W x H)	5.5 x 2.5 x 1.4" (138.5 x 62.5 x 35.3mm)	
Weight	7.4oz (210g)	8.1oz (230g)
MTBF	50,000 Hrs	100,000 Hrs
Connections	RJ45 Shielded Jacks	
Ethernet Cable Compatibility	CAT 6 (or higher)	
Warranty	3 years	
Certifications	UL, CE, FCC	CE, FCC

	TP-POE-24-10G
AC Voltage Input	100-240 VAC 50/60Hz
Output PoE Voltage	24 VDC +/- 5% Passive PoE Mode B
RJ45 Pins with Power	4,5 + 7,8 -
Maximum Load	1A (24 W) Max
Protection	Short Circuit, Overcurrent, Surge/ESD (8 kV)
Efficiency	86% Min.
Ripple and Noise	120 mV p-p Max
Data Rate	10/100/1000/10000Mbps (10Gb)
No Load Consumption	0.1 W Max
Operating Temperature	-20 to +50°C
Storage Temperature	-30 to +80°C
Operating Humidity	10% - 90% N.C.
Size (L x W x H)	3.81 x 2.1 x 1.4" (97 x 53.5 x 35.5mm)
Weight	4.7oz (133g)
MTBF	120,000 Hrs
Connections	RJ45 Shielded Jacks
Ethernet Cable Compatibility	CAT 6 (or higher)
Warranty	3 years
Certifications	UL, CE, FCC



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User Guide

10 G High Speed
Desktop PoE Inserter

Models: TP-POE+10G
TP-POE++10G
TP-POE-24-10G



Configuration

Model No:	LAN Port Speed	POE Standard	POE DC Output
TP-POE+10G	10/100/1000/10G	802.3at Mode A	53V 30W
TP-POE++10G	10/100/1000/10G	802.3at 4 Pair	56V 60W
TP-POE-24-10G	10/100/1000/10G	Passive Mode B (+4,5 -7,8)	24V 24W

Package Contents



High Power / High-Speed 10G
PoE Inserters

Models:

TP-POE+10G	802.3at Mode A	53V 30W
TP-POE++10G	802.3at 4 Pair	56V 60W
TP-POE-24-10G	Passive Mode B	24V 24W

All Models Utilize 100-240VAC 50/60Hz Autoranging Input

LED Function

TP-POE-24-10G	Power LED (Green)
TP-POE+10G	Power LED (Green) Active LED (Green) - Handshake is Valid, POE is On
TP-POE++10G	Power LED (Green) Active LED (Green) - Handshake is Valid, POE is On

WARNING! Before making any connections, always verify that devices to be connected are PoE compatible. Serious damage to devices may occur if Non-PoE devices are connected.