Gigabit PD PoE Splitter

(TN3PSP)

OVERVIEW

TN3PSP is a gigabit PD PoE splitter independently developed by ONV. It has a 1*RJ45 input port, 1*RJ45 output port, and 1*DC5521 socket. Its DC5V/12V output voltage selection switch is to meet the use of various non-PoE network terminals to connect to PoE switches. Effectively solving security monitoring, wireless networks, Limited by the power line layout, reduced system wiring, improved system stability and safety, and reduced maintenance costs.

TN3PSP PoE splitter adopts ABS and PC flame-retardant plastic material. It complies with IEEE802.3 af/at PoE standard, end-span (1,2+, 3,6-), and mid-span (4,5+, 7,8-) two power supply modes. The output power is up to 24W. Low ripple, >82% efficiency, 2KV port protection isolation. It has short-circuit, over-current, over-temperature protection. Plug and play, no configuration, easy to use.

FEATURE

- Gigabit rate self-adaption, 8P copper cable RJ45 port.
- support IEEE802.3af/at standard, Both mid-span (4/5+, 7/8-) and end-span (1/2+, 3/6-)
- Output voltage 5V/12VDC optional, suitable for various network terminals
- Input voltage 44-57VDC, rated output power 12W, greater than 82% efficiency
- Short circuit, over-current and over-temperature protection
- 2000V high voltage isolation (input stage to output stage), less than 200mV output ripple

TECHNICAL SPECIFICATION

Model	TN3PSP
Interface Characteristics	
Fixed Port	2*10/100/1000Base-T RJ45 ports (Data) 1*DC5521 power socket(Power)
Ethernet Port	Ethernet port can support 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption
Network Characteristics	
Transmission Bandwidth (Rate)	10/100/1000Mbps
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)
Output Voltage Switch	12V: DC12V output voltage (default) 5V: DC5V output voltage
Network Protocol and Indicator	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEEE802.3x
LED Indicator	PoE indicator: POE (green), Power indicator: PWR (green)
PoE & Power Supply	
PoE Port (PD)	PD port IEEE802.3af/at @ POE
	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3x
Power Supply Pin	1/2 (+), 3/6 (-),& 4/5 (+), 7/8 (-)
Input Voltage	44-57VDC
Output Voltage	Default 12VDC ±0.5V, optional 5VDC ±0.5V
Power Consumption	Standby<1W, Full Load<24W
Conversion Efficiency (Output: Input)	≥82%
Physical Parameter	
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing
Dimension (L*W*H)	103*50*29mm
Net /Gross Weight	<0.08kg /<0.1kg
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection level: IP30
Warranty	3 years, lifelong maintenance.