

AF Standard POE Splitter

Specifications and Manual

Product Name: Standard 12W 802.3af PoE DC48V-DC12V power supply equipment

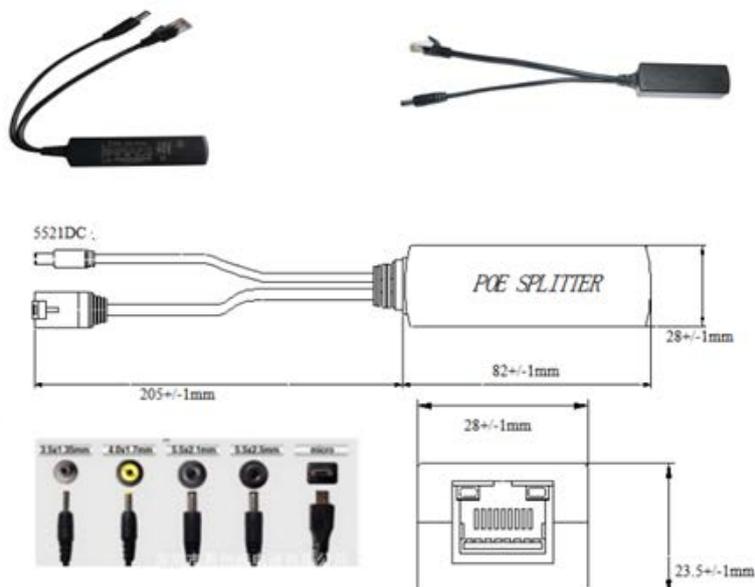
Model: ZX-AF-PD12D

Product Overview:

1. ZX-AF-PD12D is a high-performance POE product with photoelectric isolation that complies with IEEE802.3af standard, 82x28x23mm in size and 200mm in cable length. The output power is to meet the power consumption requirements of more than 90% of the cameras on the market.
2. Adopt TD6829 chip, with standard isolation transformer 40 ~ 57V, and various protection circuits!
3. POE protocol: IEEE802.3af
4. Transmission rate: 10 / 100Mbps
5. Compatible with non-standard 48V ~ 57V power supply (only through 4,5+ / 7,8-)
6. POE power: 12W (12V / 1A)
7. POE transmission: 1,2+ / 3,6- and 4,5+ / 7,8- adaptive
8. Crystal head output: data (1,2) + / (3,6)-
9. Power output plug: 5521DC male (5.5mm plug / 2.1mm Inner diameter) and Center Pin is positive.



Product drawing and size (mm):



Electrical performance

Voltage type	POE switch 48VDC Input		
Parameters	Minimum	Normal	maximum
Input Voltage	40VDC	48VDC	57VDC
Output Voltage	11.9VDC	12.1VDC	12.4VDC
Output Current	0.9A	1A	1.05A
Output Ripple	200mV Max		
Efficiency	above 85%		
Short circuit protection	When the output is shorted to ground, the input power of the product will be reduced without damage. When the short circuit is removed, the product will automatically return to normal.		

Project	Test Methods	Parameter	unit
Limit parameters:			
Operating Temperature	thermometer	-10~70	°C
Storage Temperature	thermometer	-30~80 (Short-term less than 1 month)	°C
	thermometer	-30~80 (Less than 3 months in the medium term)	°C
	thermometer	-25~75 (Long-term more than 3 months)	°C
Storage humidity	thermometer	5~25	RH
Output voltage	multimeter	Subject to actual access	V
Protection circuit part:			
Maximum Input voltage	multimeter	57.0	V
Minimum input voltage	Multimeter	40.0	V
Discharge protection current	Electronic load	1.2	A
Conversion circuit part:			
Output voltage (no load)	multimeter	Subject to actual access, no pressure drop at no load	12.1V
Output voltage (full load)	multimeter	Based on actual access, the voltage drop is 0.3V	11.8V
Maximum output current	multimeter	1.2	A
		1.0 (normal)	A
Conversion efficiency		Typ. ≥85%	
Transformer	isolation	1500	V

Features:

This product is a universal POE separator for network cameras. It is small in size, high efficiency and very stable in operation. Features such as long transmission distance. It has functions such as overload protection and output short circuit protection.



Megatel Industries Corporation

664 Wagner Court

North Wales, PA 19454, USA

TEL : 1-610-239-8812 FAX : 1-215-699-3348

sales@megatelindustries.com

www.megatelindustries.com