


PD500 Series
POE Splitters

Datasheet

Shenzhen TG-NET Botone Technology Co., Ltd.

Overview

The PD500 Series POE Splitters is the IEEE 802.3af/at Power over Ethernet Splitter that can split the 52 ~ 56V DC over the Ethernet cable into selectable 5V/9V/12V DC power output. It helps users to utilize just one Ethernet cable to easily install and deploy IP camera, wireless AP or VoIP phone networking in environments where power outlet is hard to find.

Product Appearance

	<p>PD501-12V-15W</p> <p>"PoE (Data+Power)" Input Port: 1*10/100 Base-T</p> <p>"Data"Output Port: 1*10/100 Base-T</p> <p>IEEE 802.3af</p> <p>Power Pin Assignment: Compatible with 1/2(+), 3/6(-) and 4/5(+), 7/8(-)</p> <p>DC Output Voltage: 5V/9V/12V(DIP Switch)</p> <p>DC Plug connectors (Diameter): 5.5/2.5mm to 5.5/2.1mm</p>
	<p>PD501G-12V-15W</p> <p>"PoE (Data+Power)" Input Port: 1*10/100/1000 Base-T</p> <p>"Data"Output Port: 1*10/100/1000 Base-T</p> <p>IEEE 802.3af</p> <p>Power Pin Assignment: Compatible with 1/2(+), 3/6(-) and 4/5(+), 7/8(-)</p> <p>DC Output Voltage: 5V/9V/12V(DIP Switch)</p> <p>DC Plug connectors (Diameter): 5.5/2.5mm to 5.5/2.1mm</p>
	<p>PD501G-12V-30W</p> <p>"PoE (Data+Power)" Input Port: 1*10/100/1000 Base-T</p> <p>"Data"Output Port: 1*10/100/1000 Base-T</p> <p>IEEE 802.3af/at</p> <p>Power Pin Assignment: Compatible with 1/2(+), 3/6(-) and 4/5(+), 7/8(-)</p> <p>DC Output Voltage: 5V/9V/12V(DIP Switch)</p> <p>DC Plug connectors (Diameter): 5.5/2.5mm to 5.5/2.1mm</p>

Product Features and highlights

■ PoE function

Splits the 52 ~ 56V DC power over RJ-45 Ethernet cable into 5V/9V/12V DC output

Adjustable three different output voltage options (5V/9V/12V) to fit various devices

Distance up to 100 meters

■ Energy conservation, and low radiation

The POE Splitters uses an energy-saving integrated circuit design to ensure even heat dissipation. Idle ports can enter a sleep mode to further reduce power consumption. Radiation produced by the POE Injectors is within the standard range for electric appliances and causes no harm to the human body.

■ Easy deployment and maintenance free

The users only has to use one single RJ-45 Ethernet cable to carry both power and data to each device, cost saving, easier for networking planning and higher reliability.

Product Specifications

Items	PD501-12V-15W	PD501G-12V-15W	PD501G-12V-30W
"PoE (Data+Power)" Input Port	1*10/100 Base-T	1*10/100/1000 Base-T	1*10/100/1000 Base-T
"Data"Output Port	1*10/100 Base-T	1*10/100/1000 Base-T	1*10/100/1000 Base-T
DC Out Plug Connector	1	1	1
PoE Standards	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af/at
Power Pin Assignment	Compatible with 1/2(+), 3/6(-) and 4/5(+), 7/8(-)		
Power Input	52 ~ 56V DC		
DC Output Voltage	5V/9V/12V(DIP Switch)		
DC Plug connectors (Diameter)	5.5/2.5mm to 5.5/2.1mm		
Packet Forwarding Capacity	10M:14880pps/port 100M:148809pps/port 1000M:1488095pps/port		
Operating environment	Operating temperature: 0℃ - 50℃		
	Relative humidity: 5%–95% (non-condensing)		
Dimensions	80(L)*55(W)*31(H)mm		
Weight	<150g		

Service Features

Items	PD501-12V-15W	PD501G-12V-15W	PD501G-12V-30W
Standards	IEEE 802.3af,Power Over Ethernet		
	IEEE 802.3at,Power Over Ethernet Plus		
	IEEE 802.3,10BASE-T		
	IEEE 802.3u,100 BASE-TX		
	IEEE 802.3ab,1000 BASE-T		
Auto-MDI/MDI-X	Supported		
Auto-Negotiation	Supported		
Transmission Media	10Base T: Cat. 3, 4, 5 UTP/STP		
	100Base TX: Cat. 5, 5e UTP/STP		
	1000Base T: Cat. 5e, 6, 7 UTP/STP		

Ordering Information

Items	Product Description
PD501-12V-15W	IEEE 802.3af, "PoE (Data+Power)" Input Port: 1*10/100 Base-T, "Data"Output Port: 1*10/100 Base-T, Power Input: 52 ~ 56V DC
PD501G-12V-15W	IEEE 802.3af, "PoE (Data+Power)" Input Port:: 1*10/100/1000 Base-T, "Data"Output Port: 1*10/100/1000 Base-T, Power Input: 52 ~ 56V DC
PD501G-12V-30W	IEEE 802.3af/at, "PoE (Data+Power)" Input Port:: 1*10/100/1000 Base-T, "Data"Output Port: 1*10/100/1000 Base-T, Power Input: 52 ~ 56V DC