PS-8721BLK

PoE Cable SEPARATOR

PoE Cable SEPARATOR 9 - 24 V (Data + Power Plug & Jack 2.1 mm.)

Scope of Application

PoE Cable Separator is the device that is used together with power adapter and be working with all DC powered non-PoE devices

There are two output cables on one side of PoE cable separator, one supplies data and the other supplies power. In general, PoE cable separator is often used in the scenario when there are remote non-PoE devices with no nearby AC outlets.
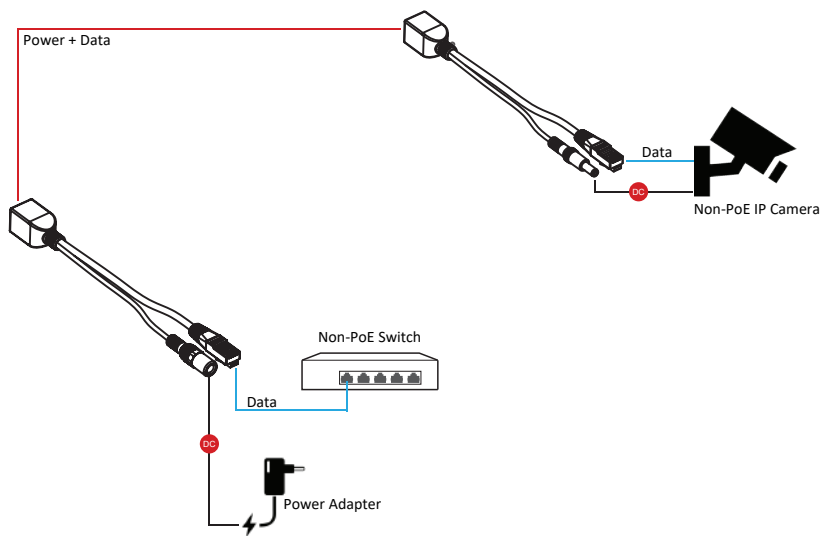
PS-8721BLK consists of the injector cable part and the splitter cable part. The injector cable part is installation at local side, it is connecting with switch and power adapter of the device, it can power and data to the remote side with one ethernet cable. The remote side is using the splitter cable part that supply power to device by splitting the power from the data and feeding it to a separate input that a non-PoE compliant device can use.

Features Highlight

- Injector cable part: RJ45 Male + Power In to RJ45 Female
- Splitter cable part: RJ45 Female to RJ45 Male + Power Out
- Support to works with all DC powered non-PoE devices
- Support input voltage from 9V DC to 57V DC
- Power supply of your device required for power input
- Uses industry standard 2.1mm power plug

Application

The solution is the network in which non-PoE switch and non-PoE devices to get powered requires a connection. Non-PoE switch connecting with non-PoE compliant end devices, which the local side is using the injector cable part. Two input cables on one side of the injector cable part, one supplies data and the other supplies power (the power adapter provides power source). The both data input and power input are sent through one ethernet cable. When a splitter cable part receives a data signal and power, it then separates the data and power into the two different lines to the non-PoE end devices such as IP cameras.

Power + Data
Data
Non-PoE IP Camera
Non-PoE Switch
Data
Power Adapter

Technical Data

Standards

Standards	
IEEE 802.3	10Base-T (Ethernet)
IEEE 802.3u	100Base-TX (Fast Ethernet)

Hardware Specifications

Hardware Specifications	
Injector Cable Interfaces	1 x RJ45 Jack with 10/100Base-TX
	1 x RJ45 Plug with 10/100Base-TX
	1 x DC Jack
Splitter Cable Interfaces	1 x RJ45 Jack with 10/100Base-TX
	1 x RJ45 Plug with 10/100Base-TX
	1 x DC Plug
Pass Through Data Rates	10/100 Mbps
DC Power	9V DC to 57V DC, ≤800mA

Mechanical and Environment

Mechanical and Environment	
RJ45 Housing	PBT + Glass Fiber, UL94V-0, Black color
Bracket Set	PBT + Glass Fiber, UL94V-0, Black color
Molding Type	Narrow Molded, PVC 70P, Grey color
Cable	UTP Unshielded and Twisted (2 pairs Stranded)
	24 AWG conductor and PVC jacket
Plug	PC, UL94V-0

Pin Assignment

Pin Assignment	
DC Power Plug & Jack	ϕ 5.5mm*ϕ 2.1mm
RJ45 Jack	4&5 (+), 7&8 (-) for Power
	1&2, 3&6 for Data
RJ45 Plug	1&2, 3&6 for Data

Ordering Information

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PS-8721BLK	PoE Cable SEPARATOR 9 - 24 V
	(Data + Power Plug & Jack 2.1 mm.) , Black

Note :

* Specifications subject to change without notice.

Drawing