

PIX-ACE703

PoE Splitter



Single channel isolated PoE Splitter

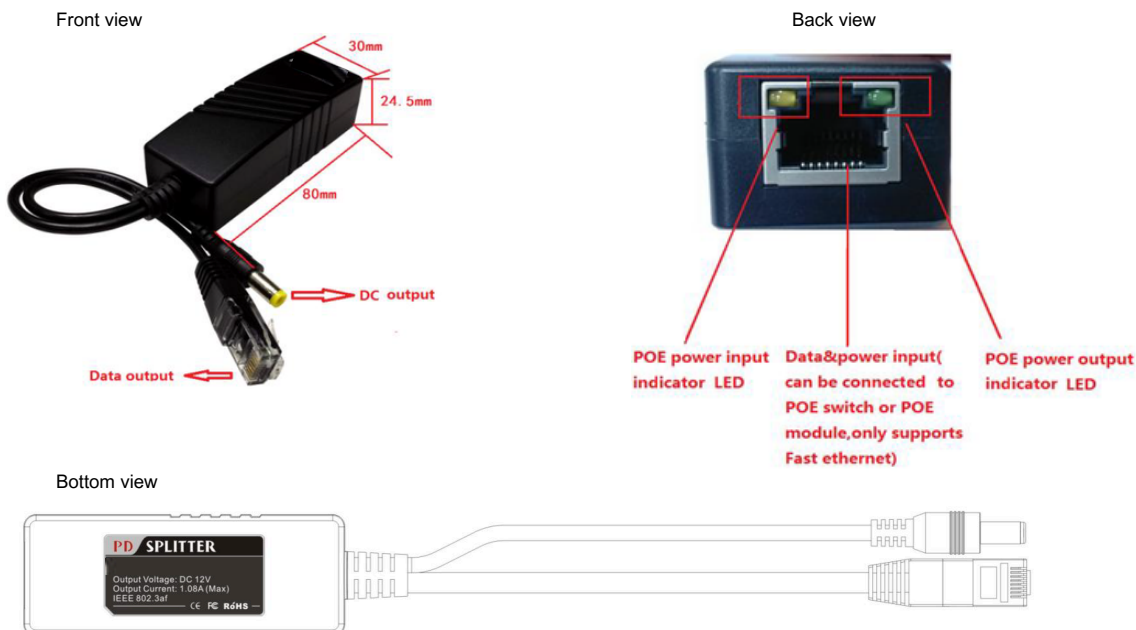
1. Bandwidth: 10/100M
2. Input Voltage: 37-57V
3. Input port: Supports Mid-Span (No.4&5 and 7&8 cables supply power) and End-Span (No.1&2 and 3&6 cables supply power) connections.
4. Output Voltage: 12V
5. Output current: 1.08A (Max)
6. Standard: Supports IEEE802.3af
7. Isolation protection: Using the transformer for isolation design, more stable, more secure
8. Protection function: Overheating protection, Short circuit protection, overvoltage and overload protection.

PIXVIDEO
image without compromises

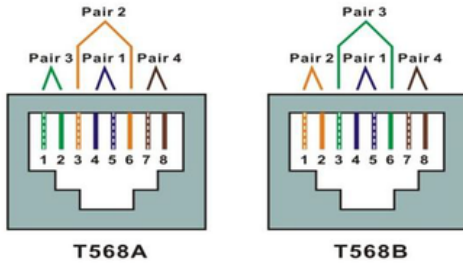
Overview

PIX-ACE703 is a kind of PD Splitter (also called PoE Splitter), supports IEEE802.3af standard; supplies power and transmits data to devices (such as IP cameras) which do not support PoE power supply; The product uses the transformer for isolation design, which gives you more stable, more secure effects and well-protects the powered products, Bandwidth is 10/100M. Mid-Span (No.4&5 and 7&8 cables supply power) and End-Span (No.1&2 and 3&6 cables supply power) connections are well supported. Output voltage is 12V, maximum current is 1.08A. Some HD digital cameras do not have PoE module which leads to the inconvenience and difficulty on installation. However, this device can solve the problem of wiring. Connecting PoE switch with PD Splitter, people can realize the power supply and data transmission of IP cameras directly and timely.

Panel Schematic Diagram:



RJ 45 Define



	1	2	3	4	5	6	7	8
T568A	White Green	Green	White Green	Green	White Blue	Orange	White Brown	Brown
T568B	White Orange	Orange	White Orange	Orange	White Blue	Green	White Brown	Brown

How to make a network cable

To create a network cable, you will first need the equipment listed below.

1. Cat5e, Cat6, or Cat7 cable
2. RJ-45 connectors
3. Crimping tool
4. Wire stripper or Knife

The wire sequence of RJ45 connector must comply with international standard of EIA/TIA 568A or EIA/TIA 568B. Cat5e, Cat6, or Cat7 cable

1. We recommend stripping at least half an inch of the cable to expose the inner wires.
2. Separate the wires within the cable after the network cable jacket has been removed so that they can be put into the RJ-45 connector.
3. The CAT5 twisted-pair cable consists of four twisted wires, each color coded; 8 wires must be correctly lined as the standards of EIA/TIA 568A or EIA/TIA 568B.
4. Cut thread residue and leave 1.5cm wire exposed outside the insulating layer and ensure 8 wires are straighten and neat.
5. Place the cable into the RJ-45 connector and then use the crimping tool to attach the connector.
6. Repeat above steps for the other end of the cable; the wire sequence of both ends of the cable is suggested to be identical.
7. Make sure to test the cables before installing them once both ends of the cable have been completed.

Note:

All RJ-45 Ports of this device support Auto MDI/MDIX, so the different wire sequence of both ends of the cable is allowed.

Installation Steps:

1. Before installation, please check the following equipment and accessories, if there is any missing, please contact with your supplier.

1. 1 pc of PIX-ACE703 device
2. 1 pc of user manual

2. Please install as below steps.

1. Before installation, please turn off the power of all signal sources and the monitor in case of the damage to transmission device.
2. Use network cables to connect PoE power supply device with RJ45 port of PD splitter.
3. Connect DC connectors and RJ45 port with right powered device.
4. Check whether installation is correct or the device is damaged. Before power on PoE device, make sure that all connections are reliable.

Trouble shooting:

Such as equipment malfunction, according to the following way.

1. Confirm whether equipment is installed as the manufacturer's installation requirements.
2. Confirm whether RJ45 cable is connected well, make sure no break, whether line order production complies with the EIA/TIA 568A or 568B international standards.
3. Confirm the working power of device is less than PD Splitter's max output power 12W.
4. Confirm whether PoE device can work normally. Use normal PD device to test if the PoE power supply works.
5. Use a set of normal PIX-ACE703 device to replace the broken device, which to examine whether the equipment is damaged.
6. If still cannot deal with the troubleshooting, please contact with the manufacturer.

TECHNICAL SPECIFICATION

Features

Standard	Support IEEE802.3af
Power supply mode	Support Mid-span and End-span
PoE Input Voltage	37-57V
DC Voltage Output	12V
DC Current Output	1.08A(max)
Output Power	12.96W

Port and Performance

Electrical interface parameters	One input RJ45 port One output RJ45 Plug One power supply output DC Plug
Cable Type	Cat5 UTP and above
Protocol Standards	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-T IEEE 802.3af Power over Ethernet
Bandwidth	10/100M
LED indicator lights	PoE input power supply indicator light DC output power supply indicator light
Dimension	80*30*24.5mm (L*W*H)
Weight (KG)	0.05kg
Environment temperature	Work temperature: -5~45°C; Work humidity: 90%, No condensation Storage temperature: -20~70°C; Storage humidity: 95%, No condensation

Note: All specifications are subject to change without notice.

Applications

- Security Monitoring System
- Multimedia Network Teaching System
- Medical Monitoring Display System
- Industrial Automation Control System
- Banking, securities, financial information display system
- Remote Network Server Monitoring
- Department Store Security
- Casino Security
- Hospitals, Airports and banks
- School Campuses

Application Diagram

