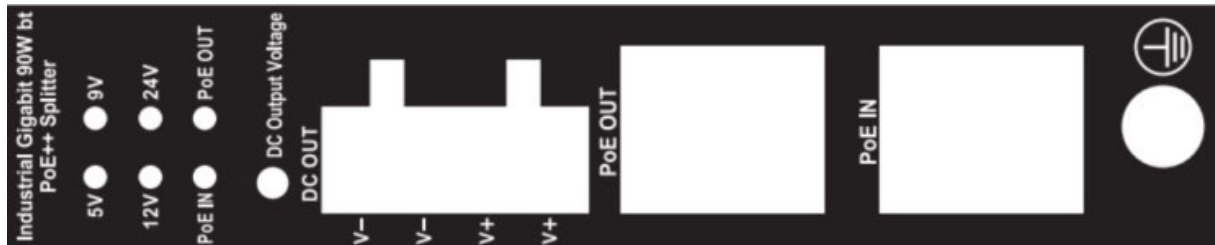


PoE Splitter

Power Over Ethernet splitter with PoE output

POE-SP02BT-POE



Application: splits the 48VDC over the RJ45 Ethernet cable into 5/9/12/24VDC power output.

Power Over Ethernet Splitter

Power-over-Ethernet eliminates the need to run DC power to other devices on a wired LAN. Using a Power-over-Ethernet system, installers need to run only a single Category 5 Ethernet cable that carries both power and data to each device.

- | Complies with IEEE802.3af, IEEE802.3at, IEEE802.3bt
- | Support PoE applications in Gigabit Ethernet environments
- | Auto-Sensing Algorithm enables taking power from IEEE 802.3af/at/bt PSE
- | Splitter 48VDC power over RJ45 Ethernet cable into different DC output
- | Support wide input voltage range 44Vdc to 57Vdc
- | Maximum power output up to 72W
- | Support for the POE output of IEEE 802.3af/at/bt
- | Adjustable output 5VDC/14A or 9VDC/7.8A or 12VDC/5.9A,24VDC/3A
- | Thermal cut off
- | Short-circuit protection
- | High efficiency DC/DC converter
- | LED indicators for power input indication
- | Plug-and-Play

Introduction

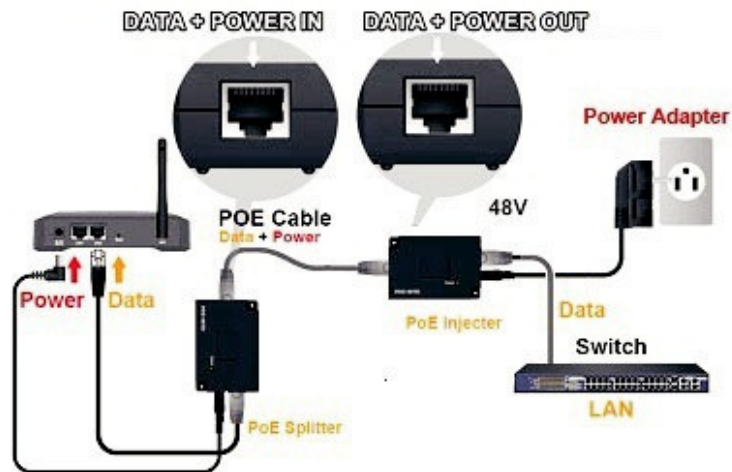
Power-over-Ethernet (PoE) eliminates the need to run DC power to other devices on a wired LAN. Using a Power-over-Ethernet system, installers need to run only a single Category 5 Ethernet cable that carries both power and data to each device. This allows greater flexibility in the locating of network devices and, in many cases, significantly decreases installation costs.

There are two system components in PoE - the PSE (Power Sourcing Equipment) and the PD (Powered Device). The IEEE 802.3af/at/bt specification defines PSE as a device that inserts power onto an Ethernet cable. The PSE may be located at the switch (End-span configuration), or it may be a separate device located between the switch and the PD (Mid-span configuration). The PD is the natural termination of this link, receiving the power, and could be an IP phone, a WLAN access point, or any other IP device that requires power. The current is transmitted over two of the four twisted pairs of wires in a Category-6 cable.

The PoE Splitter splits the 48VDC over the RJ45 Ethernet cable into 5V/9V/12V/24VDC power output. Support PoE applications in Gigabit Ethernet environments.

This module fits the IEEE 802.3af/at/bt power classification and supports PSE alternative A and alternative B connections. The maximum output power of bt can reach 72W. Small size, 119mm (L) x 85.5mm (W) X 28mm (H), wide input voltage range, 44 Vdc to 57 Vdc and less external components require an output decoupling capacitor.

PoE-S931 APPLICATION DIAGRAMS



Steps:

1. Use a CAT5 UTP cable to connect at PoE Switch or PoE Injector to the POWER+DATA IN port.
2. Choose the appropriate DC output voltage by the VOLTAGE SWITCH.
3. Warning: Please make sure that the output voltage is correct, a wrong voltage may destroy the device which you want to power up.
4. Connect the POE OUT port to the Ethernet device with CAT5 UTP cable for data transmitting.
5. Connect the DC OUT port to the power port of the Ethernet device with the provided power cable,
6. Warning: The power of Ethernet device is suggested to be under 72W.

Unmanaged PoE Switch

TECHNICAL SPECIFICATION

Ports	1 10/100/1000M RJ45 PoE Port (DATA + POWER IN)
	1 10/100/1000M RJ45 PoE Port (DATA + POWER OUT)
	1 DC interface (DC OUT)
Network Media	10Mbps: Cat 3,4,5 Unshielded Cable
	100Mbps: Cat 5,5E Unshielded Cable
	1000Mbps: Cat 5E, 6 Unshielded Cable
Pass Through Data Rates	10/100/1000 Mbps
Power Output	Adjustable 5VDC/14A max, 9VDC/7.8A max, 12VDC/5.9A max, 24VDC/3A max, DC
Input Power Requirements	Input Voltage: 44 to 57 Vac
Indicators	PoE Indicators / DC out Voltage Indicators
Connectors	Shielded RJ-45, EIA 568A and 568B
Dimensions	119x85.5x28mm
Environmental Conditions	Operating Ambient Temperature: -40 to 75°C
	Operating Humidity: Maximum 90%, Non-condensing
	Storage Temperature: -40 to 75°C
	Storage Humidity: Maximum 95%, Non-condensing
Regulatory Compliance	EEE 802.3af (PoE)
	IEEE 802.3at (PoE)
	IEEE 802.3bt (PoE)
	IEEE 802.3 (Ethernet)
	IEEE 802.3u (Fast Ethernet)
	IEEE 802.3ab (Gigabit Ethernet)
	RoHS Compliant, CE, FCC
Electromagnetic	FCC Part15, Class B

CENTROPOWER's Its products

Ethernet Series:

- POE Switch (unmanaged or managed or industrial grade or outdoor rainproof)
- POE Extender (indoor, outdoor waterproof and rainproof, industrial grade)
- POE injector
- POE splitter
- POE/EOC converter
- Ethernet switch
- Wireless bridge
- Etc.

Power Series:

- DC12V power box
- DC12V power adapter
- AC power adapter
- AC12V/24V power box
- AC-DC converter
- 48V POE power adapter
- Single power supply
- Rack power supply
- Etc.

OTHER:

- Video Balun (1080P, 4K, 8K)
- HDMI (split, switcher, extender, optic fiber cable)
- Cable (HDMI, VGA, DIY, HDIY, DC, coaxial, twisted pair)
- Converter (BNC, DC, RCA)
- Tools
- Etc.