

CPI-30AT-BLK

Single-port PoE Power Adapter



Product Features

CPI-30AT-BLK Single-port PoE Power Adapter are designed to power remote management products such as wireless access points, SOHO switches, IP phones, webcams and so on. The Single-port PoE Power Adapter, compliant with IEEE 802.3at standard, are PSE adapters supporting such products with PoE (Power over Ethernet) power supply.

All the RJ45 ports the Power injectors sustain power transmission via cable for up to 100m, enabling flexible deployment of powered devices (PDs).

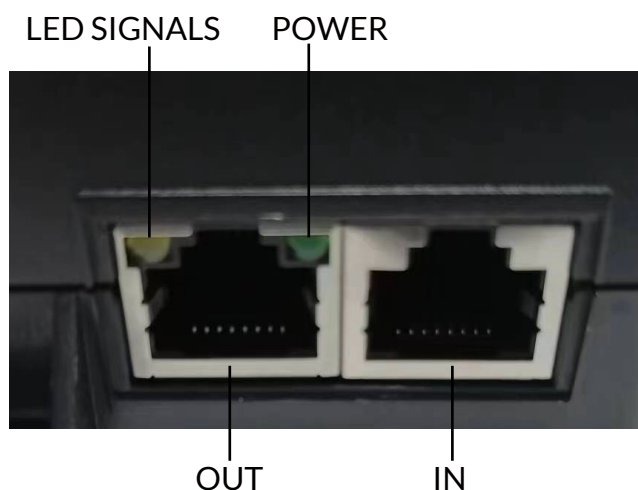
CPI-30AT-BLK Single-port PoE Power Adapter provide excellent short circuit protection and enables intelligent automated PD recognition.

The Single-port PoE Power Adapter detect if the connected device is a PD to eliminate all the possible harms a PSE appliance would cause to a nonPoE device.

The modem and exuste offer maximied investment cost savings and are an ideal for an extensive range of nework settings such as large-scale campus, enterprise, public hotspots, sports stadium, etc.

CPI-30AT-BLK Single-port PoE Power Adapter deliver the following features:

- Up to 30W of Power (EP-30W only)
- IEEE 802.3at Compliant with 2-event Cassfication (EP-30W only)
- Compatible with all IEEE 802.3af standards
- Safe: Low Power Devices Receive Only the Power They Need
- Safe and Reliable Power to WLAN Access Points
- Automatic Detection and Protection of Non- standard Ethernet Terminals
- Supports 10/100/1000Base-T Applications
- Compact Design Fits Easily in WLAN Access Point Installations



SPECIFICATIONS

Product Name	Single-port PoE Power Adapter
Part Number	CPI-30AT-BLK
Ports	10/100/1000 Mbps Copper port (RJ-45) 10/100/1000 Mbps PoE Copper port (RJ-45)
Temperature	Operating Temperature: 0°C to 45°C Storage Temperature: -30°C to 85°C
Humidity	Operating Humidity: 5% to 90% (non-condensing) Storage Humidity: 5% to 95% (non-condensing)
Altitude	Operating Altitude: 0 to 3048m
Voltage/Frequency	100-240V~ 0.75A MAX 50/60Hz
Output Power Voltage	53V 0.6A \pm (4,5) Pins, -(7,8) pins
Output Port Power	30W
Regulatory Compliance	IEEE 802.3at

Power supply characteristic parameters

The main power supply characteristic parameters of POE standard power supply system are:

Category	802.3at(PoE)	802.3at(PoE plus)
Classification	0-3	0-4
Max Current	350mA	600mA
PSE-input Voltage	44-57V DC	50-57V DC
PSE-max Power	$\leq 15.4W$	$\leq 30W$
PD-input Voltage	36-57V DC	42.5-57V DC
PD-max power	12.95	25.5W
Cable	Unstructured	CAT-5e or better
Power supply cable pair	2	2

Measured data



LED SIGNALS

Turns on an external LED when a PoE PD is connected and powered. When using in 802.3at mode, LED turns on an external LED to indicate the status of Ethernet Port.

LED pin functions

LED Indication	Status	Note
LED on, no blinking	Port successfully powered at requested power level	100Hz modulation to indicate PD status: 75% Duty: Type1 50% Duty: Type2
LED blinking slowly	Looking for a valid detection signature	1Hz with 100Hz modulation: 75% Duty: no connection (Port Open) 50% Duty: detection error (Rbig, Rsmall, Cbig) 25% Duty: classification error
LED blinking quickly	Error condition, such as port overload	3Hz with 100Hz modulation: 75% Duty: OCP, port short fault, ICUT 50% Duty: OTP