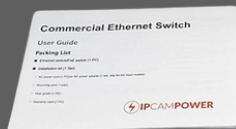




Power Cable



User Guide



POE Switch



Rack Ears

Optimize your network with

**8 PORT 802.3BT POE++**

PoE Powerhouse

**90W PER PORT, 600W TOTAL**

Ideal for Home and Business

**METAL CASE, ROBUST DESIGN**



# 8 Port 802.3bt POE++ Extreme Power Gigabit POE Switch

90 Watts on Each Port, 600 Total Watts Budget, 4  
Additional Ethernet & SFP Uplinks, 10/100/1000

## Product Features

### UNPARALLELED POWER DELIVERY

One of the Most powerful 8 Port POE Switch on the market. Harness the exceptional capacity of up to 90 watts of 802.3bt POE power per port with a substantial total budget of 600 watts, adept for powering diverse devices, from POE lighting, PTZ cameras, Acces Control, and AV over IP devices, ensuring steadfast performance in the most power hungry setups.

### GIGABIT SPEEDS & ENHANCED BANDWIDTH

Optimize your network with all 12 ports offering full gigabit throughput (10/100/1000), ensuring high-speed data transfer, low latency, and superior bandwidth. This device boasts sufficient bandwidth to accommodate a wide array of POE devices while also offering robust support for non-POE equipment, including computers, servers, and media devices, ensuring a versatile and comprehensive networking solution.

### INTELLIGENT POWER ALLOCATION

Empower your network with a device that's as versatile as it is powerful. Whether for high-demand POE devices or more delicate equipment like smaller IP cameras and phones, this switch intelligently discerns and distributes the exact amount of energy required. Advanced 802.3bt technology ensures seamless backward compatibility with 802.3af and 802.3at devices. This precision safeguards your devices from getting over powered.

### HIGH POWER EFFECIENCY AND VERSATILITY

Equip your network with 8 Gigabit 10/100/1000 POE ports, each supporting up to 90W (POE++ 802.3at), with a 600W total budget. Perfect for powering IP Cameras, Access Points, IP Phones, and just about anything that requires 802.3af/at/bt POE. Plus, leverage 4 additional gigabit uplink ports (2 Ethernet, 2 SFP) for high-speed non-POE connections to other switches and routers.

### ROBUST DESIGN & 3 YEAR WARRANTY

Trust in the product's longevity with an industry-leading 3-year hassle free warranty, reflecting a commitment to quality and customer peace of mind, affirming this switch as a solid network infrastructure investment.

## PRODUCT DIMENSIONS



## SPECIFICATION DATA

### Interface Characteristics

Fixed Port	8*10/100/1000Base-T PoE ports (Data /Power)
	2*10/100/1000Base-T uplink RJ45 ports (Data) 2*1000Base-X uplink SFP ports (Data)
Ethernet Port	10/100/1000Base-T, auto-sensing, full/half duplex MDI/MDI-X
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: 850nm /0 ~ 500M, single mode: 1310nm /0 ~ 40KM, 1550nm/ 0 ~ 120KM.
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter)
	100BASE-TX: Cat5 or later UTP (≤100 meter)
	1000BASE-T: Cat5e or later UTP (≤100 meter)

### Chip Parameter

Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	24Gbps (non-blocking)
Forwarding Rate@64byte	17.86Mpps
MAC	4K
Buffer Memory	4M
Jumbo Frame	9.6K
LED Indicator	Power: PWR (green), network: Link, Link/Act (yellow), PoE: PoE(green) SFP port: L/A (green), speed: 1000M (green)

### PoE & Power Supply

PoE Port	Port 1-8 IEEE 802.3 af/at/bt
Power Supply Pin	1/2 (+)3/6 (-), 4/5 (+)7/8 (-)
Max Power Per Port	90W, IEEE 802.3 af/at/bt
Total PWR / Input Voltage	600W (AC100-240V)
Power Consumption	Standby:<10W, Full Load:<600W
Power Supply	Built-in power supply, AC100~240V

### Physical Parameter

Operation TEMP / Humidity	-4~+131°F, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+167°F, 5%~95% RH Non condensing
Dimension (L*W*H)	13.75"W X 8.5"D X 1.75"H
Net /Gross Weight	5.75 lb
Installation	Desktop, wall mounted,19-inch 1U cabinet, (Rack Ears Included)

### Certification & Warranty

Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Compliance	FCC Part 15 Class B, NDAA Compliant
Warranty	3 years

## CONNECTION DIAGRAM WITH FEATURE DESCRIPTION

