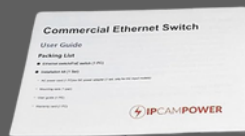




Power Cable



User Guide



POE Switch



Rack Ears

Optimize your network with

16 PORT 802.3BT POE++

PoE Powerhouse

90W PER PORT, 1200W TOTAL

Ideal for Home and Business

METAL CASE, ROBUST DESIGN



16 Port 802.3bt POE++ Extreme Power Gigabit POE Switch

90 Watts on Each Port, 1200 Total Watts Budget, 4
Additional Ethernet & SFP Uplinks, 10/100/1000

Product Features

UNPARALLELED POWER DELIVERY

One of the Most powerful 16 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 1200 watts, adept for powering diverse devices, from POE lighting, PTZ cameras, Access Control, and AV over IP devices, ensuring steadfast performance in the most power hungry setups.

GIGABIT SPEEDS & ENHANCED BANDWIDTH

Optimize your network with all 20 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 16 Gigabit 10/100/1000 POE ports, each supporting up to 90W (POE++ 802.3at), with a 1200W 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	16*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	Port 1-16 can support 10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X
SFP Slot Port	Gigabit SFP optical fiber port, default no includes 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	56Gbps (non-blocking)
Forwarding Rate@64byte	29.76Mpps
MAC	8K
Buffer Memory	4M
Jumbo Frame	9.6K
LED Indicator	Power: PWR (Green), Network: Link, Link/Act (Yellow), PoE: PoE (Green), Fiber port: L/A (Green), Speed: SPD(Green)
PoE & Power Supply	
PoE Port	Port 1-16
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	1200W (AC100-240V)
Power Consumption	Standby:<16W, Full Load:<1200W
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)	17.25"W X 14.88"D X 1.75"H
Net /Gross Weight	11.70 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

