









BC2124PE2G1F-250W series 27 ports PoE Switch



deal for:

 Telecom	 Hotels & Resorts
 Universities	 Healthcare
 Public Places	 Airport
 Transport	 Industries

OVERVIEW

The BC2124PE2G1F-250W is a smart PoE fiber switch. It has 24*10/100Base-TX RJ45 ports and 2*10/100/1000Base-T uplink RJ45 ports and 1*1000Base-X uplink SFP fiber port. Port 1-24 can support PoE+ power supply and single-port PoE power up to 30W. As a PoE power supply device, it can automatically detect and recognize the power-receiving equipment that meets the standard and supply power through the network cable. It can supply power to PoE terminal equipment such as wireless AP, IP camera, VoIP phone, video access control intercom, etc. through a network cable to meet the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, factory quarters, and small and medium-sized enterprises to form an economy-efficient network. Unmanaged mode, plug and play, no configuration, easy to use

PICTURE



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FEATURES

- ❖ 10/100M access, Gigabit optical port uplink
 - Support non-blocking wire-speed forwarding for smoother transmission.
 - Support IEEE 802.3x full-duplex flow control and Backpressure half-duplex flow control.
 - Provide Ethernet ports and Gigabit SFP port uplink for flexible networking and meets the networking requirements of various scenarios.

- ❖ Smart PoE power supply
 - 24*10/100Base-TX RJ45 ports support PoE power to meet the needs of PoE power in various scenarios in the security field.
 - Comply with PoE+ power standard, automatically identify PoE devices for power without damaging non-PoE devices, and the single port max PoE output power is 30W.

- ❖ Stable and reliable, easy to use
 - CCC,CE, FCC, RoHS.
 - Plug and play, no configuration, simple and convenient.
 - The user-friendly panel can show the device status through the LED indicator of PWR, Link, and PoE.
 - Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.
 - Low power consumption, no fan, galvanized steel casing, excellent heat dissipation to ensure the stable operation of the switch.

- ❖ Innovative function
 - Function switch (100m/250m) switch to ON position (default off), the port 17 to 24 rate is 10M, and the PoE watchdog function is turned on at the same time to monitor and automatically restart the communication failure PoE port. Using the existing twisted pair can break through the 100 meters transmission limit, and the transmission distance can be up to 250 meters. At the same time, it can solve the problem of poor transmission caused by aging lines.

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TECHNICAL SPECIFICATIONS

Model	BC2124PE2G1F-250W
Interface Characteristics	
Fixed Port	24*10/100Base-T PoE ports (Data/ Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 1*1000Base-X uplink SFP fiber port (Data)
Ethernet Port	1-24 support 10/100Base-T(X) and port 17-18/ 25-26 support 1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤250 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T: Cat5e or later UTP (≤100 meters)
Optical Fiber Port	Gigabit optical fiber port, default no include optical module (optional single-mode/ multi-mode, single fiber/ dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: 850nm/ 0-550m Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km
Functional Switch	Function switch (100/250m) Default: off, use:on, After opening, port 9-16/ 17-24 support 10M/250m transmission and PoE watchdog function
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	10.8Gbps (Non-blocking)
Forwarding Rate@64byte	8.04Mpps
MAC	2K
Buffer Memory	2.75M
Jumbo Frame	9.2K
LED Indicator	Power: PWR (Green), Network: Link (Green) PoE: PoE (Red), Functional switch: 100/250m (Green)

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PoE & Power Supply

PoE Port	Port 1-24
Power Supply Pin	1/2(+) 3/6(-)
Max Power Per Port	30W, PoE+
Total PWR / Input Voltage	250W/ (AC100-240V)
Power Consumption	Standby <8W, Full load <250W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 4.1A

Physical Parameter

Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+80°C, 5%~95% RH Non condensing
Dimension (L*W*H)	350*215*44mm
Net /Gross Weight	1.9kg / 2.4kg
Installation	Desktop, Rack mounted

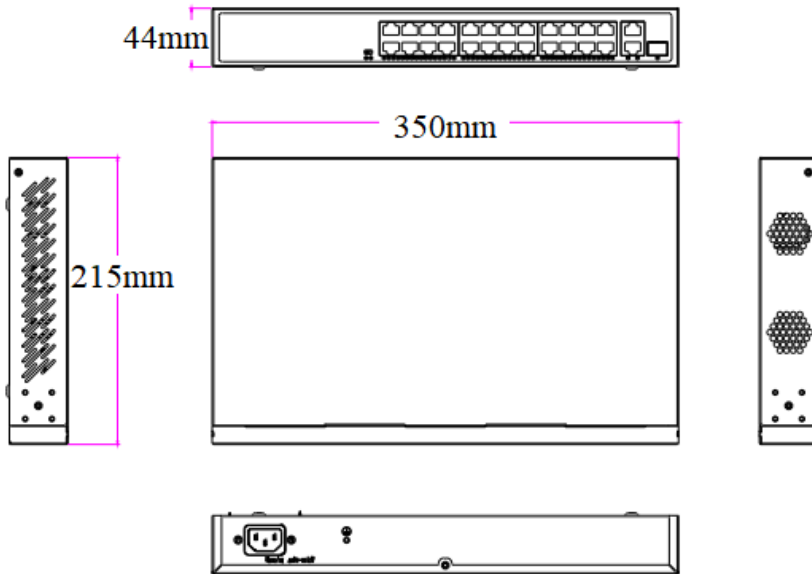
Certification & Warranty

Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	1 year, lifelong maintenance.

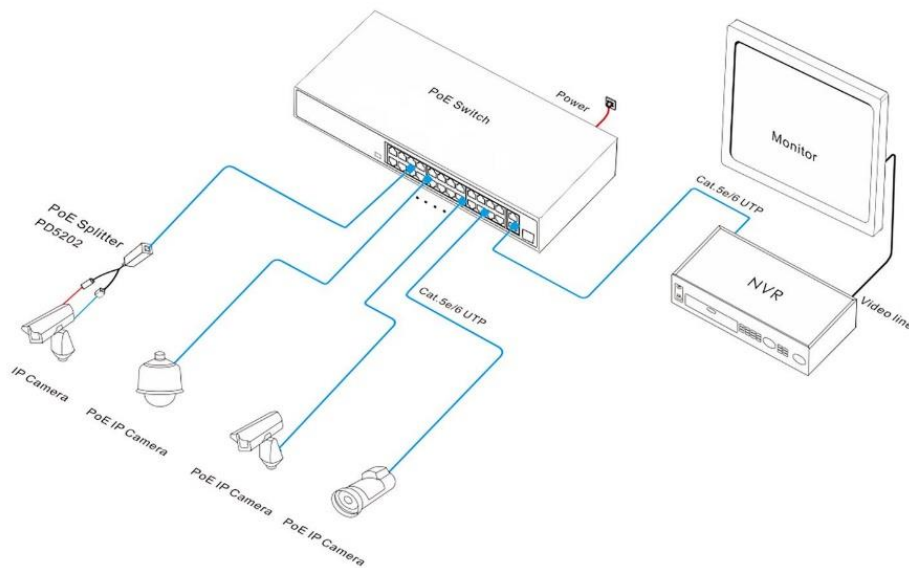
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DIMENSIONS



APPLICATION



BC2124PE2G1F-250W series 27 ports PoE Switch



PACKING LIST

	Content	Qty	Unit
Packing List	27-port Gigabit uplink PoE switch	1	SET
	AC Power Line	1	PC
	User Guide	1	PC



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