

BC-10242
24-port 10/100Mbps PoE Switch
+2 Gigabit RJ45 Uplink+1 Gigabit SFP Fiber



Extender
 10BASE-T: Cat3,4,5 UTP (≤250 meter)



Specification

Hardware Specification

Network Connector
 PoE Port
 Switch Architecture
 MAC Address Table
 Switch Bandwidth
 Forwarding Rate
 Packet Cache
 Frame
 Packet Forwarding Rate

Flow Control

VLAN
 Transmission Distance

Power Input
 ESD Protections
 LED Display

Power over Ethernet
 PoE Standard

Power Pin Assignment

PoE Power Supply

Standard Conformance
 EMI Safety
 Standard Compliance

Environment
 Operating Environment
 Storage Environment
 Operating Humidity
 Storage Humidity

Others
 Dimensions(W×D×H)
 Packing Dimensions(W×D×H)
 Gross Weight

Feature and Descriptions

- 24-port 10/100Mbps PoE+2-port 1000Mbps RJ45+1 port 1000M SFP
- 10/100Mbps auto-negotiation and auto MDI/MDI-X
- Complies with IEEE802.3af/at Power over Ethernet device
- PoE supply Max.30watts per port
- Support AI Smart, AI Watchdog, AI 250meters extended
- Support IEEE 802.1Q VLAN isolation
- Support 32K-byte EEPROM configuration
- Support IVL, SVL, and IVL/SVL
- Support 25M clock, RFC MIB counter
- Auto detects powered device(PD)
- Circuit protection prevents power interference between ports
- Flow control for Full duplex/Half duplex
- Support 4K absolute MAC address
- Support 4KV lightning protection, short-circuit protection
- Plug-and-Play no configuration required
- 10BASE-T: Cat3,4,5 UTP(≤250 meter)

Descriptions

24-port 10/100Mbps PoE+2-port 1000Mbps RJ45+1-port 1000Mbps SFP Fiber
 1~24 port support PoE with IEEE802.3af/at
 Store and Forward
 4K
 10.8Gbps
 7.819Mpps
 1.5Mbits
 9216-byte
 100M forwarding rate: 0.1488Mpps
 10M forwarding rate: 0.01488Mpps
 Full-duplex: IEEE 802.3x pause frame
 Half-duplex: Back pressure
 Support
 10BASE-T: Cat3,4,5 UTP(≤250 meter)
 100BASE-TX: Cat5 or later UTP(100 meter)
 AC 100-240V 50/60Hz (DC52V 6.8A)
 4KV lightning protection
 Power System: Red light; Link/Activity: Green light
 IEEE802.3af Power over Ethernet/PSE
 IEEE802.3at Power over Ethernet Plus/PSE
 End-Span(1/2+3/6-)
 Max 15.4wiper port (IEEE802.3af) Max 30wiper port (IEEE802.3at)
 Build-in Power: AC:100-240V 50/60Hz, DC52V 6.8A
 Total 350watts

FCC Class B,CE
 IEEE802.3/IEEE802.3u/IEEE802.3ab/IEEE802.3az
 IEEE802.3x/IEEE802.1x/IEEE802.3a/IEEE802.3at

-20℃~70℃
 -40℃~85℃
 10%~90%(non-condensing)
 5%~95%(non-condensing)

310mm×205mm×44mm
 345mm×270mm×74mm
 2.4KG

Application

PoE extender
 Ethernet Switch



10BASE-T: Cat3,4,5 UTP (≤250 meter)
 100BASE-TX: Cat5 or later UTP (100 meter)

PoE, IP CAM.



Order Part Number as Below.

Part Number.
 BC-10243

Descriptions
 24-port 10/100Mbps PoE Switch
 +2 Gigabit RJ45 Uplink+1 Gigabit SFP Fiber Uplink

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24-port 10/100Mbps PoE Switch
+2 Gigabit RJ45 Uplink+1 Gigabit SFP Fiber

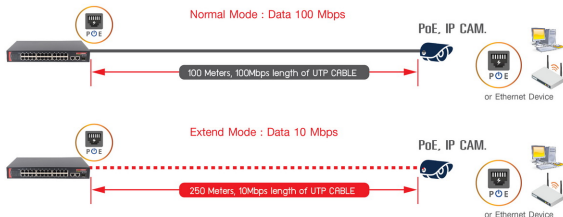
Functions	
• Transfer Speed	• 10/100Mbps
• Multi-Layer Package	✓
• AI Watchdog	✓
• AI Extender Mode	✓
• Short Circuit Protection	✓
• 4KV Lightning Protection	✓
• 30W POE port	✓

AI Watchdog Protections

AI Watchdog Protection will monitor the port transmission in real time, and it will automatically power off and reset the power device when AI Watchdog detects a problem which makes your power device more safe and easy to manage



Ultra-Extended Mode



Generally Speaking

The default transmission distance of a PoE Switch is only 100meters(100Mbps), but by turning on Ultra-Extended Mode you can achieve a transmission distance up to 250meters(10Mbps), which can make your camera distribution more separated, Except full Gigabit Switch

Short Circuit Protection

