

BC-10082
8-port 10/100Mbps PoE Switch
+2 port 100Mbps RJ45 Ethernet Uplink



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

- 8-port 10/100Mbps PoE+2 port 100Mbps RJ45 Uplink
- 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 EEPROM configuration
- Support IVL, SVL, and NVL/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($\leq 250\text{ meter}$)

Descriptions

8-port 10/100Mbps PoE+2-port 100Mbps RJ45 Ethernet Uplink
 1~8 port support PoE with IEEE802.3af/at
 Store and Forward
 4K
 2Gbps
 1,448Mpps
 448Kbits
 1552/1536 bytes
 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($\leq 250\text{ meter}$)
 100BASE-TX: Cat5 or later UTP(100 meter)
 AC 100-240V 50/60Hz (DC52V 2.4A)
 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 15.4w/per port (IEEE802.3af)
 Max 30w/per port (IEEE802.3at)
 Build-in Power: AC:100-240V 50/60Hz, DC52V 2.4A
 Total 125watts

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

-20°C~70°C
 -40°C~65°C
 10%~90%(non-condensing)
 5%~95%(non-condensing)

198mm×130mm×40mm
 250mm×205mm×47mm
 0.84KG

Application

PoE extender
 Ethernet Switch



10BASE-T: Cat3,4,5 UTP ($\leq 250\text{ meter}$)

100BASE-TX: Cat5 or later UTP (100 meter)

PoE, IP CAM,



or Ethernet Device

Order Part Number as Below.

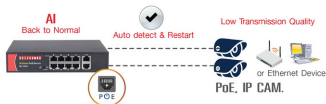
Part Number.	Descriptions
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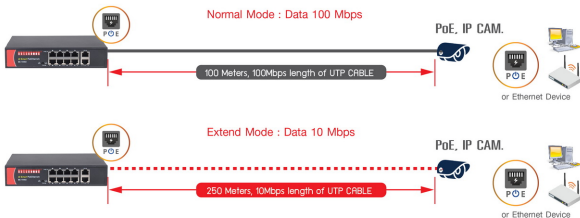
Functions	
• Transfer Speed	• 10/100Mbps
• Multi-Layer Package	<input checked="" type="checkbox"/>
• AI Watchdog	<input checked="" type="checkbox"/>
• AI Extender Mode	<input checked="" type="checkbox"/>
• Short Circuit Protection	<input checked="" type="checkbox"/>
• 4KV Lightning Protection	<input checked="" type="checkbox"/>
• 30W POE port	<input checked="" type="checkbox"/>

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

