

The 4-port 10/100Mbps unmanaged PoE switch is designed to deliver smooth data transmission along with reliable PoE power for connected devices. It is ideal for powering equipment such as IP surveillance cameras and wireless access points, ensuring both connectivity and power supply.

This switch comes equipped with 4 PoE+ ports supporting 10/100Mbps speeds and 2 additional 100Mbps uplink ports. All four downlink ports are capable of powering PoE-enabled cameras using CAT 5 or higher UTP cables. Each RJ45 port complies with the IEEE 802.3af/at standards, offering a maximum of 30W per port, while the total PoE budget for the device reaches up to 65W. A priority mechanism ensures that high-priority ports receive power first when demand exceeds capacity, preventing overload issues.

To enhance reliability, the PoE ports feature a smart function that continuously monitors communication status. If a fault is detected, the affected port automatically restarts to restore connectivity, reducing downtime and eliminating the need for manual intervention. This functionality makes the switch a valuable component in building intelligent security and AI-driven transmission systems.

Ease of use is another highlight of this device. With clear power and status indicators on each port, users can quickly check operational conditions. Its plug-and-play design requires no configuration, making installation simple and convenient for both professionals and everyday users.

FEATURES

- 4 × 10/100Mbps PoE ports, 2 × 10/100Mbps uplink ports
- Compliant with IEEE 802.3af/at standards
- Supports network storm control and VLAN functionality
- PoE transmission distance up to 250m
- Built-in power supply
- Max output per PoE port: 30W
- Total PoE power budget: 65W
- Smart function for automatic fault detection and recovery
- All ports support MDI/MDIX auto-flip and self-negotiation
- Store-and-forward switching architecture for reliable data handling
- Fanless, compact, and quiet operation
- Natural cooling system
- Lightning protection up to 4kV
- Suitable for desktop or wall mounting

Specifications

Model	HW-02F06-N

Network Connector

Network Port	
PoE Ethernet Port	1~4 Port : 10/100Mbps
Ethernet port	Uplink Port : 10/100Mbps
Smart Function	1~4 port

Transmission Distance	
1~4 Port : 100Mbps: 0~100m; 10Mbps: 0~250m;	Uplink Port : 0 ~ 100m

Transmission Medium

Cat5/5e/6 standard network cable

Power Over Ethernet

PoE Standard	IEEE 802.3af/at
PoE Power Supply	1/2+, 3/6-, 4 core power supply
PoE Power	af=15.4W, at=30W for each port

Network Switch

Network Standard
IEEE802.3/802.3u, IEEE802.3x, IEEE802.ab

Switching Capacity	1.2Gbps
Packet Buffer Memory	1Mbits
Throughput	0.8928Mpps
MAC Table	1K

Packet Forwarding rate
10Mbps:14880pps/port; 100Mbps: 148800pps/port

RJ45 port

Port Function
Power priority mechanism, fast forward switching, MAC learning & aging;
IEEE802.3X full duplex; backpressure in half duplex

LED Indicator

LED Indicator
LINK/ACT.100Mbps; PoE Status Indicator; Power Indicator; Extender

Power

Power Adaptor Voltage	AC 110V-240V
Consumption	65W(52V, 1.44A)

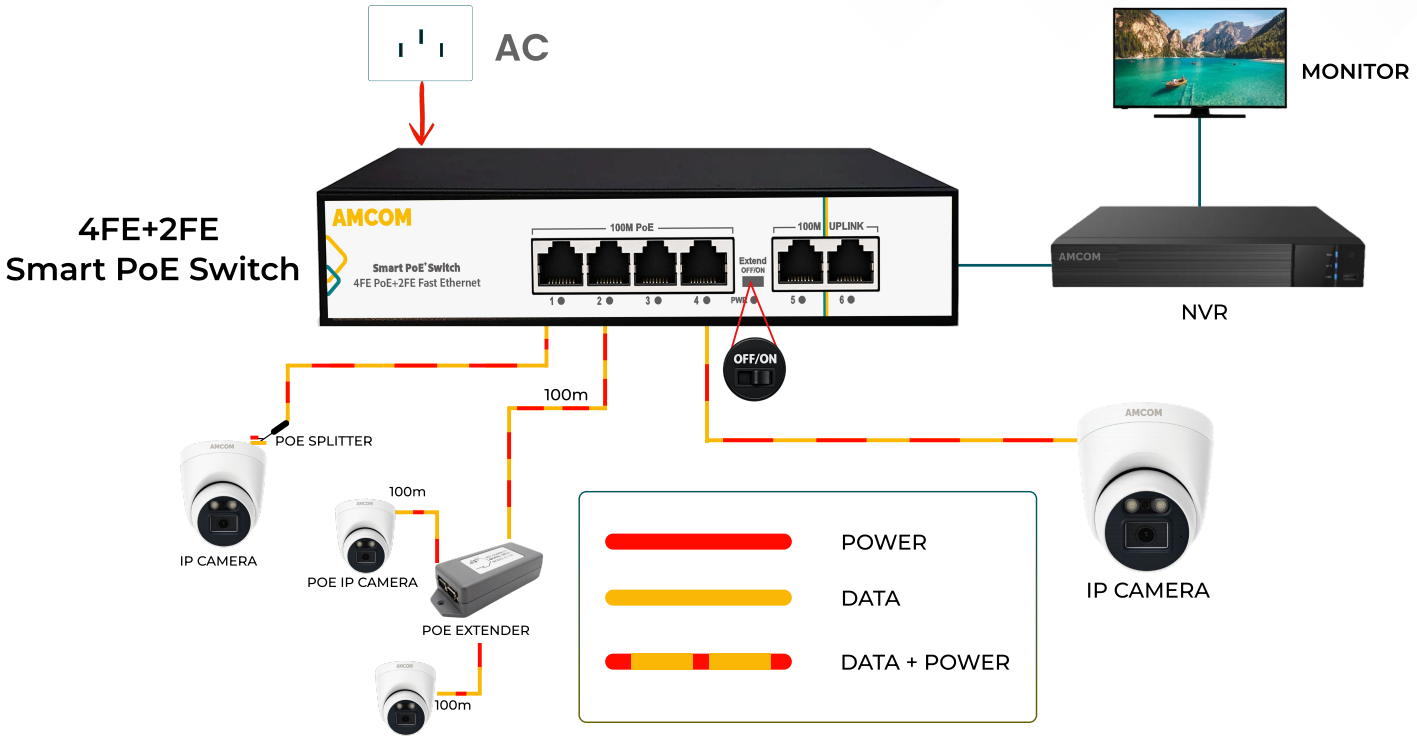
Environmental

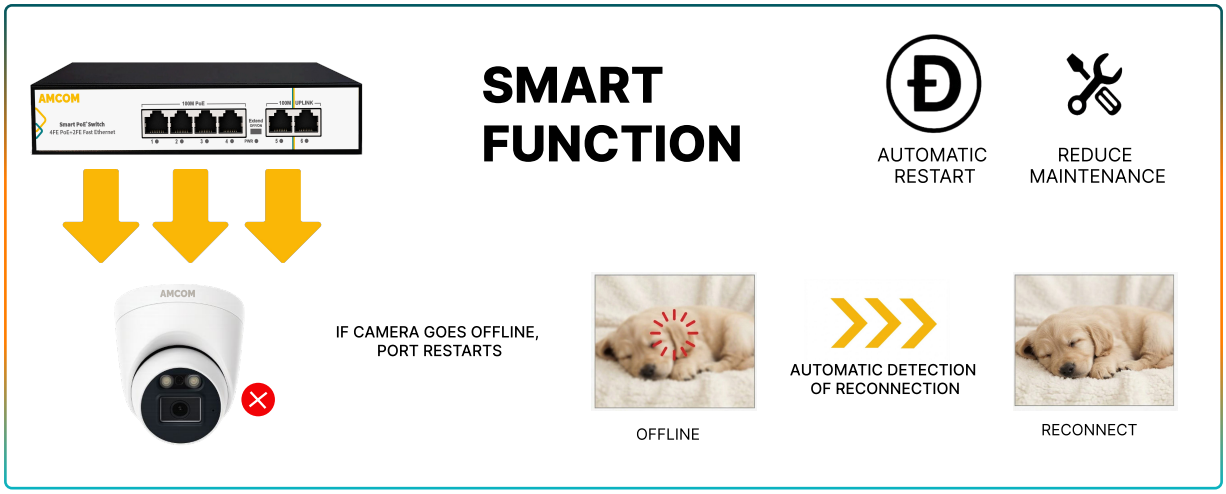
Lightning Protection	4kV
Working temperature	0°C~55°C
Relative Humidity	20~95%
Storage temperature	-20°C~70°C

Mechanical

Dimension (L×W×H)	190mm*125mm*38mm
Color	Black
Weight	0.76kg

Application





Model Number	Description of product
HW-02F06-N	6-port switch with 4 × 10/100Mbps PoE ports and 2 × 10/100Mbps uplink ports, compliant with IEEE 802.3af/at standard. Supports PoE data and power transmission up to 100m at 100Mbps and 250m at 10Mbps. Ports 1–4 include smart function for automatic fault detection and recovery.