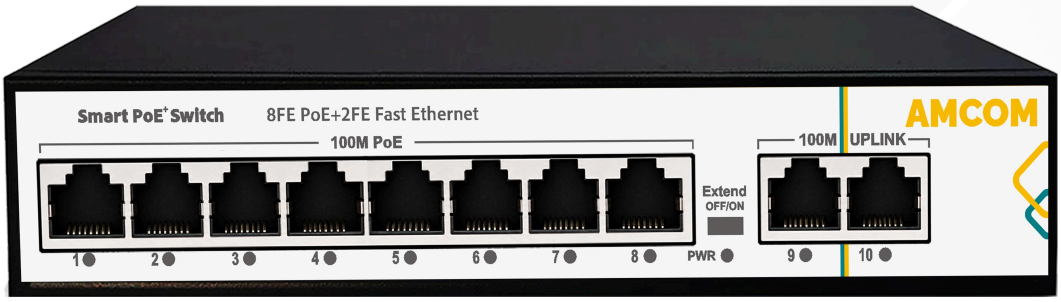


The 8-port 10/100Mbps unmanaged PoE switch ensures stable Ethernet connectivity while delivering PoE power to devices such as IP surveillance cameras and wireless access points. It combines data transmission and power supply in one solution, making deployment efficient and reliable.

Equipped with 8 PoE+ ports supporting 10/100Mbps speeds and 2 additional 100Mbps uplink ports, the switch supports powering cameras via CAT 5 or higher UTP cables. Each RJ45 downlink port complies with IEEE 802.3af/at standards, offering up to 30W per port, with a total PoE budget of 120W. A built-in priority mechanism ensures high-priority ports maintain power when demand exceeds capacity, preventing overload.

The PoE ports feature a smart function that continuously monitors communication status. In case of a fault, the affected port automatically restarts to restore connectivity, reducing downtime and eliminating manual intervention. This capability makes the switch a key component in building intelligent security and AI-driven transmission systems.

For ease of use, each port is equipped with clear power and status indicators, allowing users to quickly access device performance. With its plug-and-play design, no configuration is required, ensuring simple and convenient installation for both professional and everyday applications.

FEATURES

- 8 × 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: 120W
- 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
- Suitable for desktop or wall mounting

Specifications

Model	HW-02F10-N

Network Connector

Network Port

PoE Ethernet Port	1~8 Port : 10/100Mbps
Ethernet port	Uplink Port : 10/100Mbps
Smart Function	1~8 port

Transmission Distance

1~8 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	2.0Gbps
Packet Buffer Memory	1Mbits
Throughput	1.488Mpps
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	120W(52V, 2.3A)

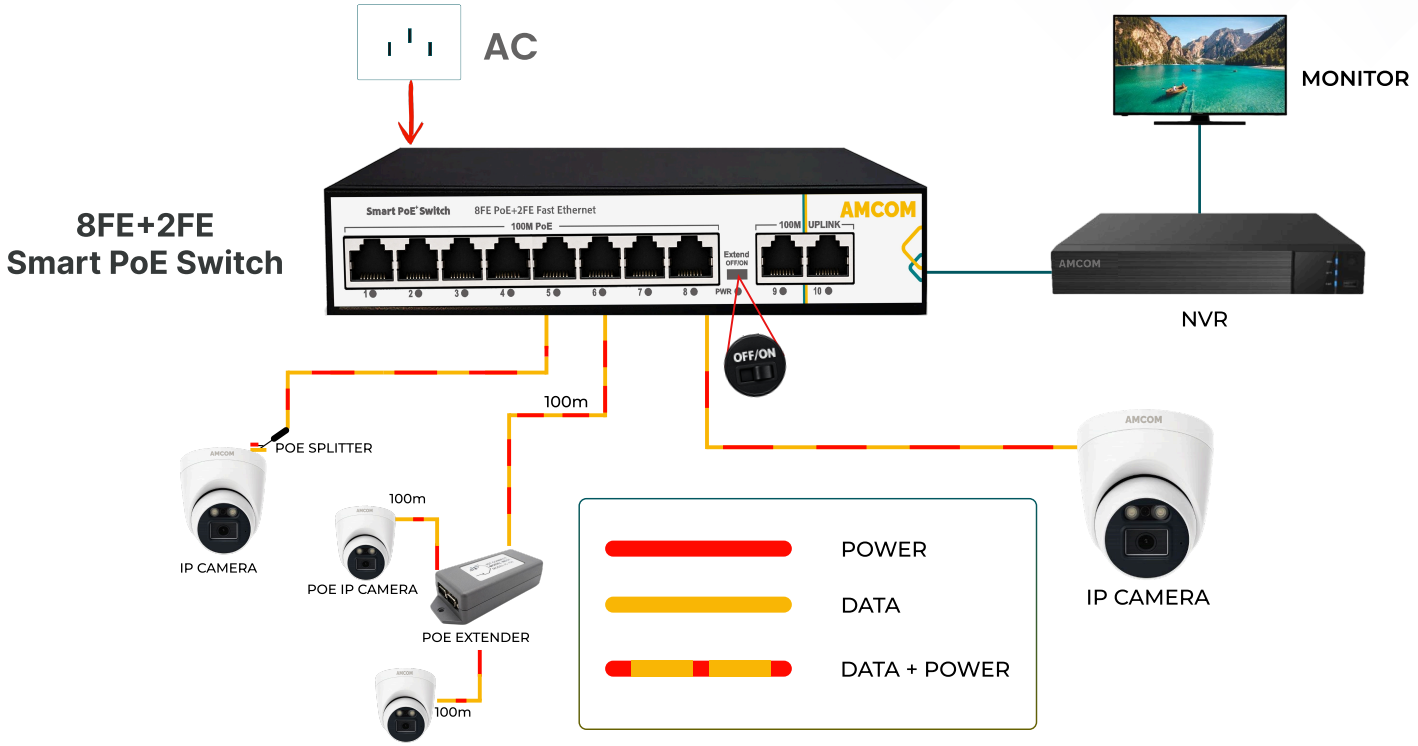
Environmental

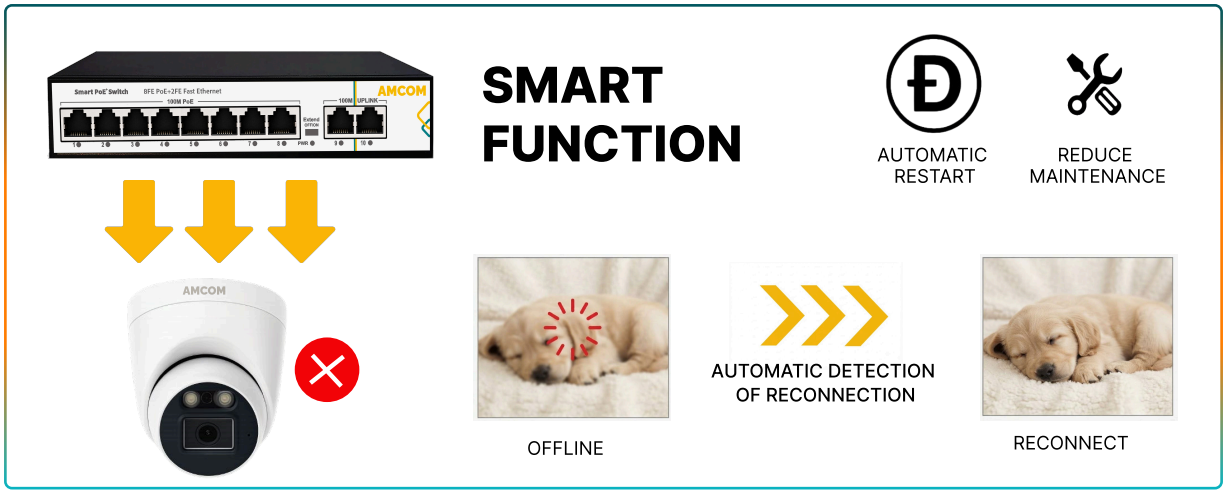
Working temperature	0°C~55°C
Relative Humidity	20~95%
Storage temperature	-20°C~70°C

Mechanical

Dimension (L×W×H)	190mm*125mm*38mm
Color	Black
Weight	0.8kg

Application





Model Number	Description of product
HW-02F10-N	10-port switch features 8 × 10/100Mbps PoE ports and 2 × 10/100Mbps uplink ports. IEEE 802.3af/at standards for reliable PoE device compatibility. Supports PoE data and power transmission reaches 100m at 100Mbps and extends to 250m at 10Mbps. Smart function ensures automatic fault detection and recovery for stable network performance.