

The 4-port 100/1000Mbps unmanaged PoE switch delivers seamless Ethernet connectivity while supplying PoE power to devices such as IP surveillance cameras and wireless access points. It integrates data transmission and power delivery into one solution, ensuring efficient deployment and reliable performance.

This switch is equipped with 4 PoE+ ports and 2 uplink ports, and 1 × Gigabit SFP port, all supporting 100/1000Mbps speeds. The downlink ports can power PoE-enabled cameras via CAT 5 or higher UTP cables. Each RJ45 port complies with IEEE 802.3af/at standards, offering up to 30W per port, with a total PoE budget of 65W. A 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. If a fault occurs, the affected port automatically restarts to restore connectivity, minimizing downtime and eliminating the need for manual intervention. This capability makes the switch a valuable component in building intelligent security and AI-driven transmission ecosystems.

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

FEATURES

- 4 × 10/100/1000Mbps PoE ports, 2 × 10/100/1000Mbps uplink ports & 1 × 1000Mbps SFP slot
- 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-02G07-FG

Network Connector

Network Port

PoE Ethernet Port	1~4Port : 10/100/1000Mbps
Ethernet port	Uplink Port : 10/100/1000 Mbps
SFPPort	1 SFP Port : 1000Mbps
Smart Function	1~4 port

Transmission Distance

1~4Port: 1000Mbps: 0~100m; 10Mbps: 0~250m;	Uplink Port : 0 ~ 100m SFP : depends on the optical module (20km...100km)

Transmission Medium

Cat5/5e/6 standard network cable

Power Over Ethernet

PoE Standard	IEEE802.3af/at
PoE Power Supply	1/2/3/6+, 4/5/7/8-, 8 cores power supply
PoE Power	af=15.4W, at=30W for each port

Network Switch

Network Standard

IEEE802.310BASE-T, IEEE802.3i10Base-T, IEEE802.3u100Base-TX, IEEE802.3ab1000Base-T, IEEE802.3z1000Base-X, IEEE802.3x

Switching Capacity	14Gbps
Packet Buffer Memory	2Mbits
Throughput	10.416Mpps
MAC Table	2K

Packet Forwarding rate

10Mbps:14880pps/port; 100Mbps:148800pps/port; 1000Mbps:1488000pps/port

RJ45 port

Port Function

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

Smart Function

When camera stops working for 2mins, the port will restart and recover automatically the camera.

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)

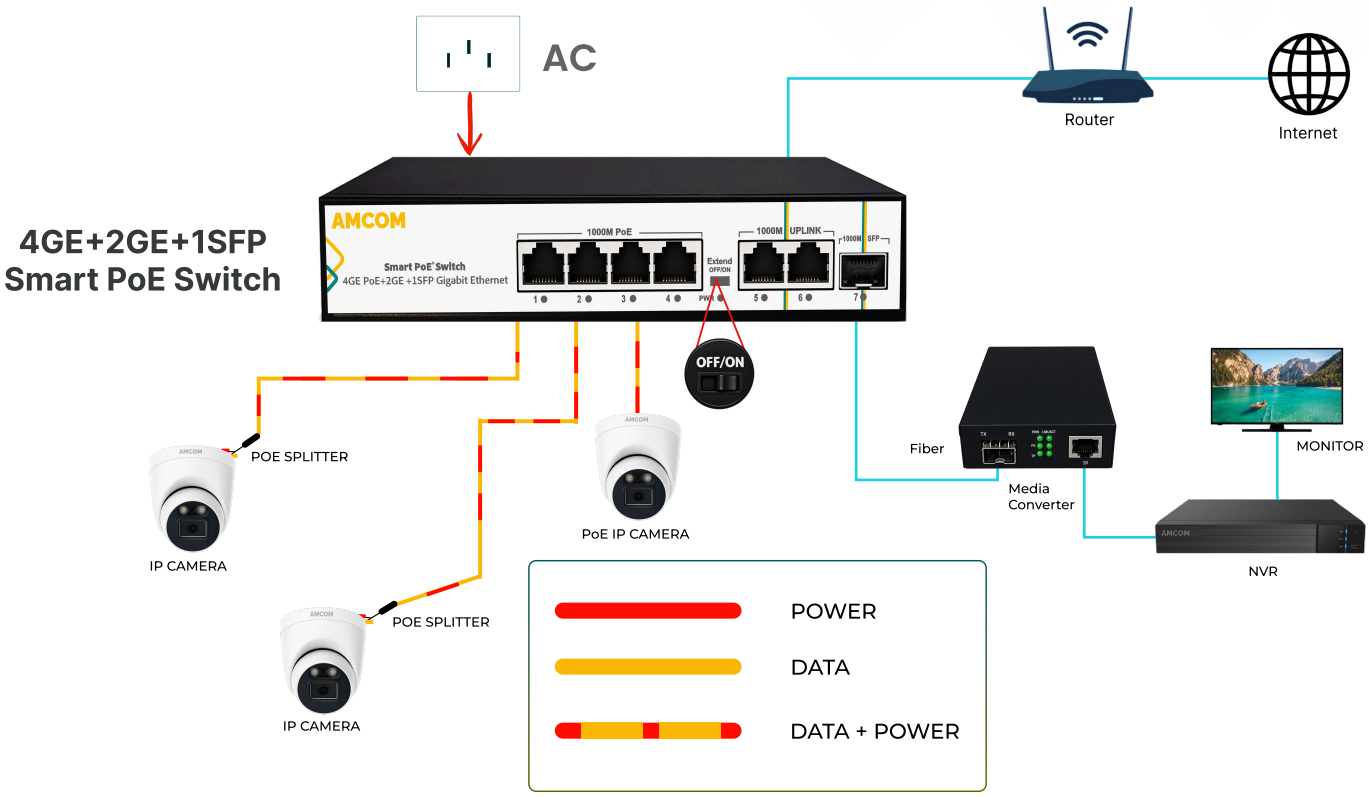
Environmental

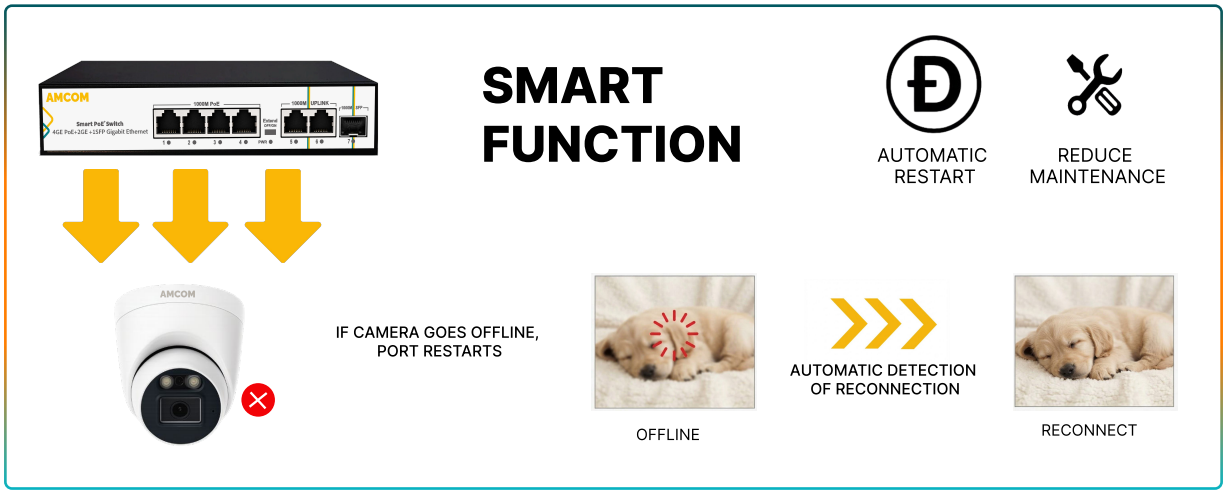
Lightning Protection	4kV
Working temperature	0°C~55°C
Relative Humidity	20~95%
Storage temperature	-20°C~70°C

Mechanical

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

Application





Model Number	Description of product
HW-02G07-FG	7-port Gigabit switch is equipped with 4 × 100/1000Mbps PoE ports, 2 × 10/100/1000Mbps uplink ports, and 1 × 1000Mbps SFP slot. Supporting the IEEE 802.3af/at standard. It delivers both data and power transmission up to 100 meters at 100Mbps and extends to 250 meters at 10Mbps. Designed for reliability, it also features a smart function to ensure stable and continuous operation.