



**24-Port Ultra Long Distance
AI PoE Switch
AI6024H**



Product Introduction:

AI6024H is a non managed ultra long distance transmission 24 port AI PoE switch designed specifically for security transmission, WIFI coverage, etc. Among them, ports 17-24 can support ultra long distance transmission of 500 meters at a speed of 100Mbps (used with a long-distance splitter), which can solve the problem of long-distance power transmission in network monitoring engineering, replace fiber optics and network extenders, solve the problem of difficult access to electricity at ultra long distances, and reduce engineering costs. The product has 24 100Mbps PoE ports, 2 Gigabit RJ45 ports, and 1 Gigabit SFP (25 ports are Gigabit combo), suitable for network access and edge aggregation. The device supports the IEEE802.3af/at standard protocol and can automatically detect, identify, and power PD devices that comply with the IEEE803af/at standard.

Main features:

Ultra long distance transmission

- ports 17-24 can support ultra long distance transmission of 500 meters at a speed of 100Mbps (used with a long-distance splitter), which can solve the problem of long-distance power.

Characteristics

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Provide 2 Gigabit RJ45 ports and 1 SFP Combo port at the same time.
- Support IEEE 802.3x full dual flow control and half dual backpressure flow control.
- Support port automatic flip(Auto MDI/MDIX).

AI smart button

- AI Extend: 1-8 ports support 250 meters long-distance power supply (recommended to use super five or more network cables).
- AI VLAN: Isolate ports 1-24 from each other, which can effectively suppress network storms and improve network performance.
- AI QoS: Prioritize the identified video data to make video transmission smoother.
- AI PoE: Automatically detect the power receiving port, find the dead device, and restart the device.

PoE characteristic

- Compliant with the IEEE802.3af&at standard, the maximum PoE power of a single port is 30W.
- Support PoE short circuit protection, over current protection, over temperature protection, etc.
- Support AI PoE, restart dead device.

Ease of use

- Plug and play, no configuration required, easy to use.

- With zero-configuration features, power is automatically supplied to adaptive devices.

Product Specifications:

Network port	● 24 * 10/100M RJ45 PoE ports (port 1~port24), port 17-24 support 500m transmission(used with the splitter)
	● 2 * 10/100/1000M RJ45 port (port 25~port26), 1 * SFP Combo port
Network	● IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at
Performance	● Bandwidth: 8.8Gbps (no block)
	● Frame filtering and transmission rate: 6.5Mpps
	● MAC table size: 8K
	● Forwarding type: Storage and Forwarding
LED indicator	● 1 Power Indicator
	● 26 LINK/ACT indicator
	● 24 PoE indicator
POE pin	● 1/2(+), 3/6(-)
Power	● The maximum output power of a single port is 30W
	● The maximum power of the whole machine: 250W
Dimensions	● Size(LxWxH) 440mm*180mm*44mm
Environment	● Operating Temperature: 0°~40°C
	● Operating Humidity: 10%~90%, Non-condensing
Safety	● CE/ROHS/FCC

Caution:

1. In order to safety, please non-professionals don't open the casing of product;
2. Please be careful the risk of strong current and security protection when products carry power;
3. Please select the right power adaptor provide power for PoE switch, before using please confirm if is it accord with the requirement of PoE switch;
4. Please don't use PoE switch under the humid environment, avoiding water go into the product inside caused PoE switch breakdown;
5. Please start the power after the circuit connected;
6. Please don't plug-in and plug-out the connection cable when product is carrying on power;
7. Please don't use PoE switch under somewhere with more dust and EME;
8. Please don't put heavy thing on PoE switch, in order to having an accident;
9. According to the IEEE802.3AF/AT standard, Please use the Cat.5 or above, transmission distance 250m;
10. Please don't exceed the maximum output power of PoE switch when it connect more than one PD device;
11. Suggestion that PoE switch use for indoor, if you want to use for outdoor, Please install waterproof box.