



16-Port Gigabit Smart PoE Switch

AI1016GC



Product Introduction:

AI1016GC is an easy smart PoE switch specially designed for security transmission and WIFI coverage. It can meet the PoE power supply requirements of various types of devices such as WIFI AP, IP-camera, WIFI bridge, and IP phone. The product has 16 gigabit PoE ports and 2 gigabit SFP optical ports, which are suitable for network access and edge aggregation. The product has 4 working modes, AI VLAN mode, AI Extend mode, AI PoE mode, AI Storm Control mode; by default, all ports communicate freely, and AI VLAN mode is enabled to isolate ports 1-16 from each other, which can effectively suppress network storms. Improve network performance; enable AI Extend mode, the effective transmission distance of 1-8 ports can reach 250 meters, suitable for long-distance monitoring and power supply; enable AI PoE mode, the switch automatically detects the working condition of the PD device, and automatically restarts the device when abnormal devices are found; And the product also supports common management protocols, such as: VLAN, QoS, PoE settings, port statistics, system configuration and other functions. It is the best choice for PoE networking in hotels, campuses, factory dormitories and small and medium-sized enterprises.

Main Features:

Port 6KV lightning protection

- All ports support 6KV lightning protection, support power supply over-temperature protection, over-voltage protection, surge current protection and other protection features.

Characteristics

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Provide 16 * 1000M RJ45, 2 * SFP uplink ports 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 1-16 from each other, which can effectively suppress network storms and improve network performance.
- AI Storm Control: The port's BUM packets will limited to a certain speed.
- 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.

Management features

- System management: device information, IP configuration, account management, system upgrade, etc.
- Monitoring and management: port statistics
- Device configuration: VLAN, QoS, port configuration, port isolation, port mirroring, etc.
- Device management: supports WEB UI, Apollo cloud management.

Product Specifications:

Network port	• 16 * 10/100/1000M RJ45 PoE ports (port 1~port16)
	• 2 * 1000M SFP ports (port 17~port 18)
Network standard	• IEEE 802.3i, IEEE 802.3u,IEEE 802.3x,IEEE 802.3af, IEEE 802.3at
Performance	• Bandwidth: 36Gbps (no block)
	• Frame filtering and transmission rate: 26.8Mpps
	• MAC table size: 8K
	• Forwarding type: Storage and Forwarding
LED indicator	• 1 Power Indicator
	• 18 LINK/ACT indicator
	• 16 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: 150W
Dimensions	• Size(LxWxH) 440mm×180mm×44mm
Environment	• Operating Temperature：0~40℃
	• Operating Humidity：10%~90%，Non-condensing
Safty	• CE/ROHS/FCC/CCC

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.

Note: The picture in the instruction manual is for reference only, the specific object shall prevail