Foredge

16-Port 100M AI PoE Switch

AI8016M

Product Brochure

Product Introduction:

AI8016M is an AI PoE switch designed specifically for security transmission and WIFI coverage, which can meet the PoE power supply needs of various types of devices such as WIFI AP, IP camera, WIFI bridge, IP phone, etc. The product has 16 gigabit PoE ports, 2 gigabit RJ45 ports, and 1 gigabit SFP port, suitable for network access and edge convergence. Support AI intelligent recognition, intelligent recognition of long-distance modes; Support AI PoE automatic recognition, automatically detect powered ports, detect dead devices, and restart the device after power outage; The device supports the IEEE 802.3 af/at standard protocol and can automatically detect, identify, and power PD devices that comply with the IEEE 802.3 af/at standard, so there is no need to worry about damaging private standard PoE or non PoE devices; Port 15-16 supports IEEE802.3bt with a maximum power of 60W. 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, PSE short-circuit protection, PoE overload, power supply over-temperature protection, over-voltage protection, surge current protection and other protection features.

Switching Performance

- Non blocking switching architecture, all ports support wire speed forwarding.
- Provide two 10/100M RJ45 uplink simultaneously.
- Support IEEE 802.3x full dual and half dual backpressure flow control.
- Support port automatic flipping (Auto MDI/MDIX).

AI Intelligent Recognition

- Intelligent recognition of long-distance mode, adaptive deceleration from 130 meters (100M/S) to 250 meters (10M/S);
- AI PoE automatic recognition, automatic detection of powered ports, detection of dead devices, power off and restart the device;

PoE Features

- Complies with the IEEE802.3af&at standard, with a maximum PoE power of 30W per port.
- Support PoE short circuit protection, overcurrent protection, over temperature protection, etc.
- Port 15-16 support IEEE802.3bt with a maximum power of 60W.

Ease of Use

- Plug and play, no configuration required, simple and convenient to use.
- Zero configuration feature, power is automatically supplied to adaptive devices.

Foredge

Specification：

Networking Ports	● 16*10/100Mbps PoE RJ45 ports（port1~port16） ● 2*10/100/1000Mbps RJ45 ports（port17~port18） ● 1*1000M SFP port
Networking Standards	● IEEE 802.3i、IEEE 802.3u、IEEE 802.3x、IEEE 802.3af、IEEE 802.3at、IEEE 802.3bt
Performance	● Bandwith：7.2Gbps ● Packets Forwarding Rate：5.4Mpps ● MAC table size：8K ● Forwarding type：Storatge and Forwarding
LED Indicator	● Power Indicator ● LINK/ACT Indicator ● PoE Indicator
PoE	● 1/2(+)，3/6(-)
Power	● Port 15-16 max power：60W ● PoE budget：150W
Dimension	● W*D*H：210mm*152mm*40mm
Evironment	● Working Temperature：0°~40℃ ● Storage Temperature：-40℃～70℃ ● Working Humidity：10%~ 90% RH nun-condensing ● Storage Humidity：5%~ 90% RH nun-condensing
Safty Compliance	● CE/ROHS/FCC/CCC

Networking Application: