

HORED 丰润达®

16-Port 100Mbps AI PoE Switch

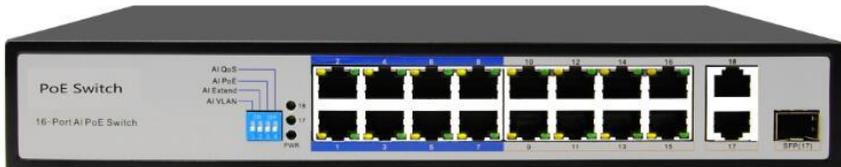
AI6016

Product Brochure

Shenzhen Fengrun Technology Co., Ltd

Product Introduction

AI6016 is an AI 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 100M PoE ports, 2 gigabit RJ45 ports and 1 gigabit SFP Combo port, which is suitable for network access and edge aggregation. The product has 4 working modes, AI VLAN mode, AI Extend mode, AI PoE mode, AI QoS 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, which is 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; When the AI QoS mode is enabled, the video data will be prioritized when the device is congested to make the video smoother. 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.

Exchange feature

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Provide 2 Gigabit RJ45 ports and 1 SFP Combo port at the same time.
- Supports IEEE 802.3x full-duplex flow control and half-duplex backpressure flow control.
- Supports auto-flipping of upstream ports (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 QoS: Prioritize the identified video data to make video transmission smoother;
- AI PoE: Automatically detect the power receiving port, find a dead device, and restart the device after power off.

PoE Features

- 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.

Easy of use

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

Specification

Network Interface	<ul style="list-style-type: none"> • 16 * 10/100Mbps RJ45 PoE Ports (Port 1~Port 16) • 2 * 10/100/1000Mbps RJ45 Ports (Port 17~Port 18) • 1 * SFP Combo Port
Network protocol	<ul style="list-style-type: none"> • IEEE 802.3i、IEEE 802.3u、IEEE 802.3x、IEEE 802.3z、IEEE 802.3ab、IEEE 802.3af、IEEE 802.3at
Performance Specifications	<ul style="list-style-type: none"> • Backplane Bandwidth: 7.2Gbps (non-blocking) • Packet forwarding rate: 5.4Mpps • MAC address table: 8K • Forwarding mode: store and forward
LED Indicator	<ul style="list-style-type: none"> • Power indicator: 1 • LINK/ACT indicator: 18 • PoE indicator: 16
PoE foot position	<ul style="list-style-type: none"> • 1/2(+), 3/6(-)
Power support	<ul style="list-style-type: none"> • Single port maximum output power: 30W • The maximum power of the whole machine: 150W
Physical Specifications	<ul style="list-style-type: none"> • Dimensions (LxWxH): 285mm*180mm*44mm
Environmental Specifications	<ul style="list-style-type: none"> • Operating temperature: 0°C~40°C • Storage temperature: -40°C ~ 70°C • Working humidity: 10%~ 90% RH without condensation • Storage humidity: 5%~90% RH without condensation
Safety regulations	<ul style="list-style-type: none"> • CE/ROHS/FCC/CCC

Networking application

