

HORED 丰润达®

16-Port long distance AI PoE switch

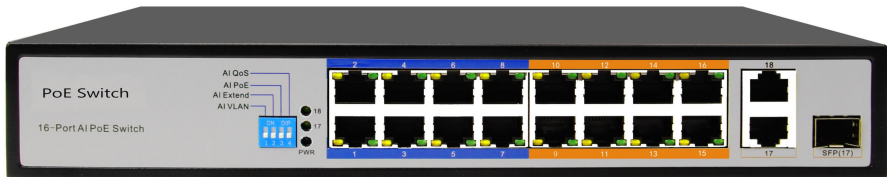
AI6016H

Product Brochure

Shenzhen Fengrun Technology Co., Ltd

Product Introduction

AI6016H is an unmanaged 16-port AI PoE switch designed for security transmission, WIFI coverage, etc. with ultra-long-distance transmission, of which 9-16 ports can support ultra-long-distance 500-meter transmission at a rate of 100Mbps (with a long-distance splitter It can solve the problem of long-distance power supply transmission in network monitoring projects, can replace optical fibers and network extenders, solve the problem of difficulty in obtaining power from ultra-long distances, and reduce engineering costs. The product has 16 100M PoE ports, 2 gigabit RJ45 and 1 gigabit SFP (17 ports are gigabit combo), which are suitable for network access and edge aggregation. The device supports the IEEE802.3af/at standard protocol, and can automatically detect, identify and supply power to PD devices that comply with the IEEE803af/at standard.



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 multiplexed gigabit SFP 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 Feature

- 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, of which 9-16 ports can support 100M ultra-long distance 500 meters transmission (used with long-distance splitter) • 2 10/100/1000Mbps RJ45 ports • 1 Gigabit 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"> • 18 Link/Act indicators • 16 PoE indicators • 1 Power indicator
PoE foot position	<ul style="list-style-type: none"> • 1-8□ : 1/2(+), 3/6(-) • 9-16□ : 1/2/4/5(+), 3/6/7/8(-)
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

