



24 Port | Gigabit Easy Smart PoE Switch AI1024GC

Product brochure

Shenzhen Fengrun Technology Co., Ltd

Product introduction:

AI1024GC is a Easy Smart 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 APs, IP cameras, WIFI bridges, and IP phones. The product has 24 gigabit PoE ports and 2 gigabit SFP optical ports, suitable for network access and edge aggregation. The product has four working modes: AI VLAN mode, AI Extend mode, AI PoE mode, and AI QoS mode; By default, all ports communicate freely, enabling AI VLAN mode and isolating ports 1-24 from each other can effectively suppress network storms and improve network performance; Enabling AI Extend mode, the effective transmission distance of 1-8 ports can reach 250 meters, suitable for long-distance monitoring and power supply; Enabling AI PoE mode, the switch automatically detects the working status of the PD device and restarts the device when abnormal equipment is detected; Enabling AI QoS mode will prioritize the processing of video data in case of device congestion, making the video smoother. At the same time, 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.

Switching Feature

- Non-blocking switching architecture, all ports support wire-speed forwarding.
- Provides 24 Gigabit RJ45 ports and 2 Gigabit SFP ports.
- 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 1-24 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 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.

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:

Hardware	
Network Interface	<ul style="list-style-type: none"> ● 24 * 10/100/1000Mbps RJ45 port (POE) ● 2 * Gigabit SFP port
Network Protocol Standard	<ul style="list-style-type: none"> ● IEEE 802.3、IEEE 802.3i、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3z、IEEE 802.3ad、IEEE 802.3x、IEEE 802.1p、IEEE 802.1q、IEEE 802.1d、IEEE 802.1s、IEEE 802.1w、IEEE 802.3af、IEEE 802.3at
Performance	<ul style="list-style-type: none"> ● Switching capacity: 52Gbps ● Packet forwarding rate: 38.8Mpps ● MAC address table: 8K ● Forwarding mode: store and forward
LED Indicator	<ul style="list-style-type: none"> ● Link/Act Indicator: 24 ● PoE Indicator: 24 ● SFP Indicator: 2 ● SYS Indicator: 1
POE Pin	<ul style="list-style-type: none"> ● 1/2 (+) , 3/6 (-)
Power Support	<ul style="list-style-type: none"> ● Input: AC 100-240V/50-60Hz ● Single port maximum output power: 30W ● The maximum power of the whole machine: 250W
Physical Specifications	<ul style="list-style-type: none"> ● Dimensions (LxWxH): 440mm×180mm×44mm
Environmental Specifications	<ul style="list-style-type: none"> ● Working 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

Software	
AI Function	AI VLAN AI Extend AIPoE AI QoS
System Management	Device information Networking configuration Account management System reset System upgrade Factory data reset
Monitoring Management	Port statistics
Port Configuration	Port configuration Port isolation Port mirroring
QoS	Storm suppression Port rate limit
VLAN	VLAN member VLAN configuration
PoE Configuration	Port POE management POE priority configuration
Management	Support WEB UI Support Apollo cloud management