



IAC5005P

High-performance Enterprise-class PoE Gateway

Product Introduction

IAC5005P is a high-performance enterprise-class PoE gateway that integrates router, access controller, and PoE switch functions. When paired with IDL's APs, IAC5005P delivers an intelligent Wi-Fi network solution capable of covering diverse scenarios, including micro and small enterprises, restaurants, villas, and small hotels.

Product Feature

Multifunctional device

- Supports NAT, ACL, routing, PPPoE, DHCP, and other essential functions, enabling seamless connection to the operator's network.
- Facilitates the management and configuration of AP devices.
- Supports 802.3af/at PoE standards.

Rich variety of ports

- Offers five 10/100/1000M adaptive network ports, including one WAN port and four LAN ports.

High-performance device

- Supports 30W maximum power output per single PoE port and 56W maximum power output for the device.
- Supports up to 100 connected terminals.
- Manages up to 16 APs.

Multiple management methods

- Supports local, cloud-based, and APP-based device management.

Effortless and automated deployment

- Automatically discovers all APs and other connected devices, and then distributes the configurations, achieving fast networking.
- Simplifies the deployment process with built-in AC and PoE modules.

Various Security Mechanisms for a Safer Network

- Supports multiple access authentication methods such as Account/password, MAC, Portal, and other authentication, facilitating integrated authentication for both wired and wireless connections to meet diverse authentication requirements across different scenarios.
- Supports dynamic and refined adjustment of traffic control and intelligent allocation of bandwidth resources.
- Incorporates diverse security features such as IP-MAC binding and protection against various attacks, ensuring network security.

Product Specification

Hardware Specification

Basic specification	Description
Port	<ul style="list-style-type: none"> 1 x 10/100/1000M WAN port 4 x 10/100/1000M LAN ports
Memory	<ul style="list-style-type: none"> 256MB
FLASH	<ul style="list-style-type: none"> 32MB
PoE-related parameters	<ul style="list-style-type: none"> Standard 802.3af/at protocol Up to 4 LAN ports as PoE ports Maximum output power per port is 30W The total maximum PoE output power of the device is 56W
Max power consumption	<ul style="list-style-type: none"> 8W (excluding PoE-related consumption)
Max number of clients	<ul style="list-style-type: none"> 100 (It varies according to the deployment environment.)
Indicator	<ul style="list-style-type: none"> 1 x PWR indicator 1 x SYS indicator 1 x Link/Act indicator
Power supply	<ul style="list-style-type: none"> External power adaptor AC, 220V, 50/60Hz DC, 54V, 1.1A

Physical specification

Physical specification	Description
Dimension (W x D x H)	<ul style="list-style-type: none"> 122mm x 90mm x 27mm
Weight	<ul style="list-style-type: none"> 0.3kg
Operation environment	<ul style="list-style-type: none"> Operation temperature: -5°C ~+45°C Operation humidity: 10%-90%RH (noncondensing) Storage temperature: -20°C ~+70°C Storage humidity: 5%~95%RH(noncondensing)

Software Specification

Network-related specification	Description
Network access method	<ul style="list-style-type: none"> Dynamic IP Static IP PPPoE
Protocol type	<ul style="list-style-type: none"> IPv4 IPv6
Routing selection	<ul style="list-style-type: none"> Static routing Policy routing
Other protocol	<ul style="list-style-type: none"> DHCP Server DHCP Client DNS Client DNS Server DNS Proxy QoS NTP UPNP

Software Specification

Security	Description
Detection and protection	<ul style="list-style-type: none"> IP-MAC binding DDOS protection IP intrusion protection FLOOD protection Block PING Port mapping ARP broadcast suppression Port scanning prevention ARP protection DHCP broadcast suppression
Wi-Fi security and authentication	<ul style="list-style-type: none"> Open authentication MAC authentication Password authentication PPSK authentication WeChat official account authentication SMS authentication One-click authentication QR code authentication Account and password authentication Combined authentication
Traffic management	<ul style="list-style-type: none"> Intelligent traffic control Traffic supervision Custom traffic control
ACL	<ul style="list-style-type: none"> IP filtering MAC filtering Application filtering URL filtering

Wireless management

Wireless management	Description
Max manageable AP	<ul style="list-style-type: none"> 16
AP online mode	<ul style="list-style-type: none"> Broadcast Static address DDNS resolution Order distribution system DHCP Option43
AP management	<ul style="list-style-type: none"> Multiple SSIDs SSID hiding Channel configuration Transmit power configuration Load balancing User isolation 5GHz priority DFS detection Wi-Fi roaming AP online upgrade STA quantity setting Weak signal access limitation

System management

System management	Description
Device management	<ul style="list-style-type: none"> Version upgrading Automatic restart Cloud-based and APP-based management Factory reset Traffic statistics System log Fault diagnosis Configuration wizard Advertising and marketing