IAC5005PE

High-performance Enterprise-class PoE Gateway

Product Introduction

IAC5005PE is a high-performance enterprise-class PoE gateway that integrates router, access controller, and PoE switch functions. When paired with IDL's APs, IAC5005PE 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 types of ports

- Offers one 10/100/1000/2500M adaptive WAN port and four 10/100/1000M adaptive LAN ports.

High-performance device

- Supports 30W maximum power output per single PoE port and 55W maximum power output for the device.
- Supports up to 500 connected terminals.
- Manages up to 128 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	• 1 x 10/100/1000/2500M WAN port • 4 x 10/100/1000M LAN ports
Memory	• 512MB
FLASH	• 8MB + 256MB
PoE-related parameters	• 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 52W
Max power consumption	• 10W (excluding PoE-related consumption)
Max number of clients	• 300 (It varies according to the deployment environment.)
Indicator	• 1 x PWR indicator • 1 x SYS indicator • 1 x PoE indicator • 1 x Link/Act indicator
Power supply	• External power adapter • AC, 220V, 50/60Hz • DC, 54V, 1.2A

Physical specifications	Description
Dimension (W x D x H)	• 220mm x 135mm x 35mm
Weight	• 0.75kg
Operation environment	• Operation temperature: -5℃ ~+45℃ • Operation humidity: 10%-90%RH (noncondensing) • Storage temperature: -20℃ ~+70℃ • Storage humidity: 5%~95%RH (noncondensing)

Software Specification

Network-related specification	Description	
Network access method	• Dynamic IP • Static IP	• PPPoE
Protocol type	• IPv4	• IPv6
Routing selection	• Static routing	• Policy routing
Other protocol	• DHCP Server • DHCP Client • DNS Client • DNS Server	• DNS Proxy • QoS • NTP • DMZ

Software Specification

Security	Description	
Detection and protection	• IP spoofing prevention • ARP spoofing prevention • DDOS protection • FLOOD protection • Block PING	• Port scanning prevention • Port mapping • ARP broadcast suppression • DHCP broadcast suppression • WIDS
Wi-Fi security and authentication	• PPPoE authentication • MAC authentication • One-click authentication • QR code authentication • Account and password authentication	• Open authentication • SMS authentication • WeChat official account authentication • Combined authentication
Traffic management	• Intelligent traffic control • Custom traffic control	• Traffic supervision
Internet behavior management	• Application recognition	• Application access control
ACL	• IP filtering • DNS filtering	• Keyword filtering • URL filtering

Wireless management	Description	
Max manageable AP	• 128	
AP online mode	• Broadcast • Static address • DDNS resolution	• Order distribution system • DHCP Option43
AP management	• Multiple SSIDs • SSID hiding • Channel configuration • Transmit power configuration • Load balancing • User isolation • Spectrum navigation	• Channel scanning • Wi-Fi roaming • AP online upgrade • STA quantity setting • Weak signal access limitation

System management	Description	
Device management	• Version upgrade • Automatic restart • Cloud-based and APP-based management • Factory reset • Traffic statistics	• System log • Fault diagnosis • Configuration wizard • Advertising and marketing