



## IAC5010P

### High-performance Enterprise-class PoE Gateway

## Product Introduction

IAC5010P is a high-performance enterprise-class PoE gateway that integrates router, access controller, and PoE switch functions. When paired with IDL's APs, IAC5010P delivers intelligent Wi-Fi network capable of covering diverse scenarios, including micro and small enterprises, restaurants, villas, and small hotels.

## Product Features

### 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

- Adopts enterprise-class full Gigabit hardware system to meet different bandwidth requirements.
- Offers ten 10/100/1000M adaptive network ports, including one WAN port and nine LAN ports. One LAN port can be used as a WAN port.

### High-performance device

- Supports 30W maximum power output per single PoE port and 86W maximum power output for the device.
- Supports up to 200 connected terminals.
- Manages up to 32 APs.

### Easy and intelligent 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.

### Multiple management methods

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

## Product Specifications

Hardware Specifications			Software Specifications		
Basic specification	Descriptions		Security	Descriptions	
Port	<ul style="list-style-type: none"> <li>1 x 10/100/1000M WAN ports</li> <li>9 x 10/100/1000M LAN ports</li> </ul>		Detection and protection	<ul style="list-style-type: none"> <li>IP-MAC binding</li> <li>DDoS protection</li> <li>IP intrusion prevention</li> <li>FLOOD protection</li> <li>Block Ping</li> <li>Port mapping</li> </ul>	
Memory	<ul style="list-style-type: none"> <li>256MB</li> </ul>			<ul style="list-style-type: none"> <li>ARP broadcast suppression</li> <li>Port scanning prevention</li> <li>ARP protection</li> <li>DHCP broadcast suppression</li> </ul>	
FLASH	<ul style="list-style-type: none"> <li>32MB</li> </ul>				
PoE	<ul style="list-style-type: none"> <li>Standard 802.3af/at protocol</li> <li>Up to 8 LAN ports as PoE ports</li> <li>Maximum output power per port is 30W</li> <li>The total maximum PoE output power of the device is 86W</li> </ul>		Wi-Fi security and authentication	<ul style="list-style-type: none"> <li>Open authentication</li> <li>MAC authentication</li> <li>Password authentication</li> <li>PPSK authentication</li> <li>WeChat authentication</li> </ul>	
Overall power consumption	<ul style="list-style-type: none"> <li>10W (excluding PoE-related consumption)</li> </ul>			<ul style="list-style-type: none"> <li>SMS authentication</li> <li>One-click authentication</li> <li>QR code authentication</li> <li>Account and password authentication</li> <li>Combined authentication</li> </ul>	
Max concurrent user	<ul style="list-style-type: none"> <li>200 (It varies according to the deployment environment.)</li> </ul>				
Indicator	<ul style="list-style-type: none"> <li>1 x PWR indicator</li> <li>1 x SYS indicator</li> <li>1 x PoE indicator</li> <li>1 x Link/Act indicator</li> </ul>		Traffic management	<ul style="list-style-type: none"> <li>Intelligent traffic control</li> <li>Traffic supervision</li> <li>Custom traffic control</li> </ul>	
Power supply	<ul style="list-style-type: none"> <li>AC, 220V, 50/60Hz</li> <li>DC, 52V, 1.85A</li> </ul>		ACL	<ul style="list-style-type: none"> <li>IP filtering</li> <li>MAC filtering</li> <li>Application filtering</li> <li>URL filtering</li> </ul>	
Physical specification	Descriptions		Wireless management	Descriptions	
Dimension (W*D*H)	<ul style="list-style-type: none"> <li>190mm*97mm*29mm</li> </ul>		Max manageable APs	<ul style="list-style-type: none"> <li>32</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>0.5kg</li> </ul>		AP online mode	<ul style="list-style-type: none"> <li>Broadcast</li> <li>Static address</li> <li>DDNS resolution</li> <li>Order distribution system</li> <li>DHCP Option43</li> </ul>	
Operation condition	<ul style="list-style-type: none"> <li>Operation temperature: -5°C ~+45°C</li> <li>Operation humidity: 10%-90%RH (noncondensing)</li> <li>Storage temperature: -20°C ~+70°C</li> <li>Storage humidity: 5%~95%RH (noncondensing)</li> </ul>		AP management	<ul style="list-style-type: none"> <li>Multiple SSIDs</li> <li>SSID hiding</li> <li>Channel configuration</li> <li>Transmit power configuration</li> <li>Load balancing</li> <li>User isolation</li> <li>5G priority</li> <li>DFS detection</li> <li>Wi-Fi roaming</li> <li>AP online upgrade</li> <li>STA quantity setting</li> <li>Weak signal access limitation</li> </ul>	
Software Specifications			System management	Descriptions	
Network-related specification	Descriptions		Device management	<ul style="list-style-type: none"> <li>Version upgrading</li> <li>Automatic restart</li> <li>Cloud-based and APP-based management</li> <li>Factory reset</li> <li>Traffic statistics</li> <li>System log</li> <li>Fault diagnosis</li> <li>Configuration wizard</li> <li>Advertising and marketing</li> </ul>	
Network access method	<ul style="list-style-type: none"> <li>Dynamic IP</li> <li>Static IP</li> <li>PPPoE</li> </ul>				
Protocol type	<ul style="list-style-type: none"> <li>IPv4</li> <li>IPv6</li> </ul>				
Routing selection	<ul style="list-style-type: none"> <li>Static routing</li> <li>Policy routing</li> </ul>				
Other protocol	<ul style="list-style-type: none"> <li>DHCP Server</li> <li>DHCP Client</li> <li>DNS Client</li> <li>DNS Server</li> <li>DNS Proxy</li> <li>QOS</li> <li>NTP</li> <li>UPNP</li> </ul>				