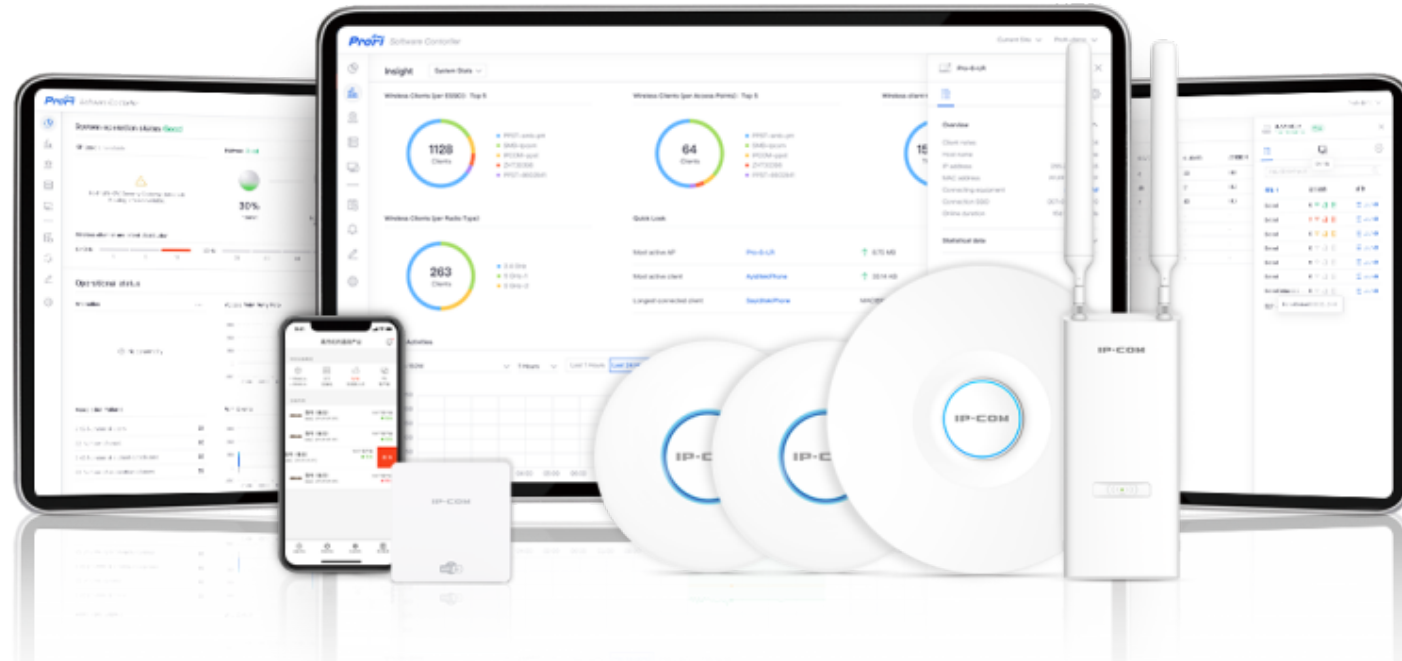


IP-COM WLAN Solution For Enterprises

——Over 200 people



1. Requirements
2. Solutions
3. Benefits
4. Recommendations

1. Requirements of office scenarios

Enterprise with
over 200 people



1. Requirements Summary

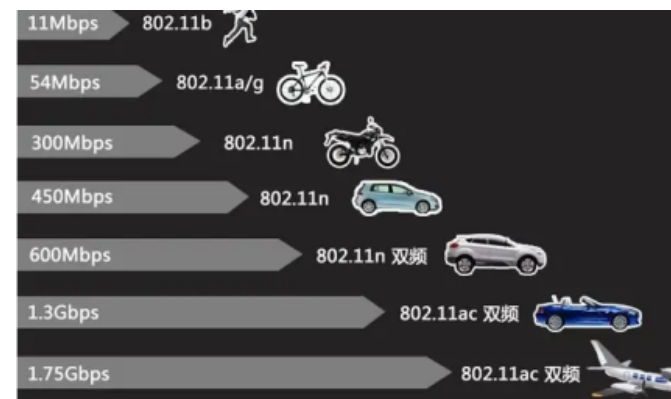
- 1 Separated internal and external networks,
Security and Reliability



- 3 Safe wireless access



- 2 Good WiFi experience



- 4 Content control



1. Requirements
2. **Solutions**
3. Benefits
4. Recommendations

2. Solutions——General Design

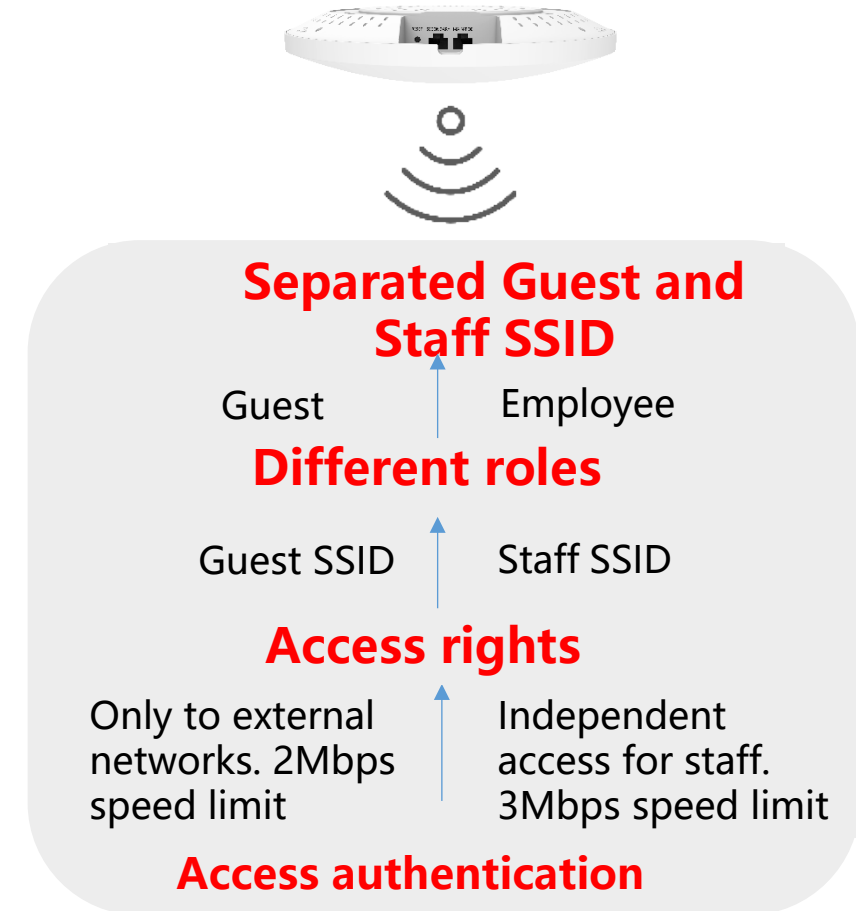
Enterprise with
over 200 people



2. Solutions——Key Locations Network Deployment

Reception: Ceiling-mounted AP for coverage of relatively open area

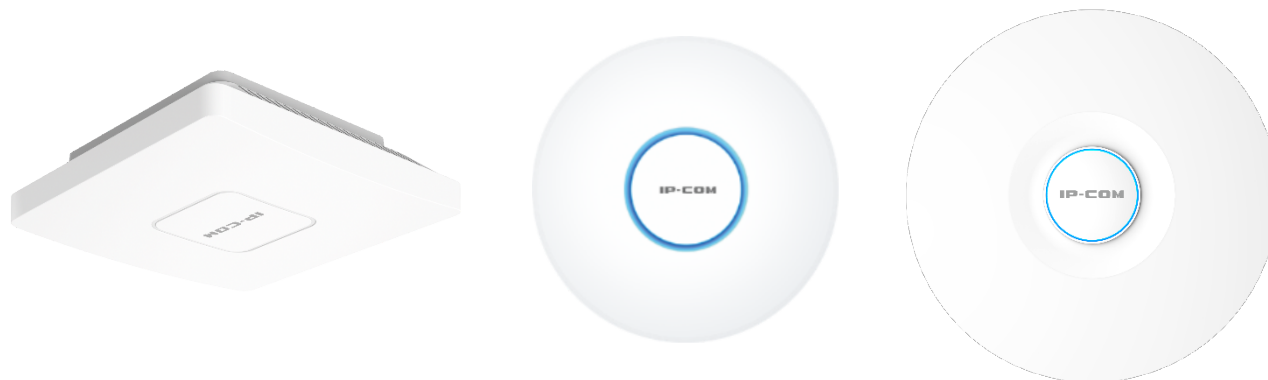
The reception area is relatively open and requires Wi-Fi coverage with smooth roaming without dead zone; working network and guest network need to be set up separately. Ceiling-mounted AP can provide large area coverage and support fast roaming and VLAN mapping.



2. Solutions——Key Locations Network Deployment

Office zone deployment: Multiple ceiling-mounted APs for coverage of large area

Good Wi-Fi coverage and fast roaming is required for connected devices moving in large office zone; Based on the size of office zone and the number of connected devices, using ceiling APs to ensure high-speed and stable network with good WiFi coverage and smooth roaming.



Ceiling AP

Wide Coverage

Designed with high gain omni-directional antennas, per AP to cover up to 500m².

Smooth roaming

Support 802.11k/v protocol fast roaming, roaming switching time is less than 50ms.

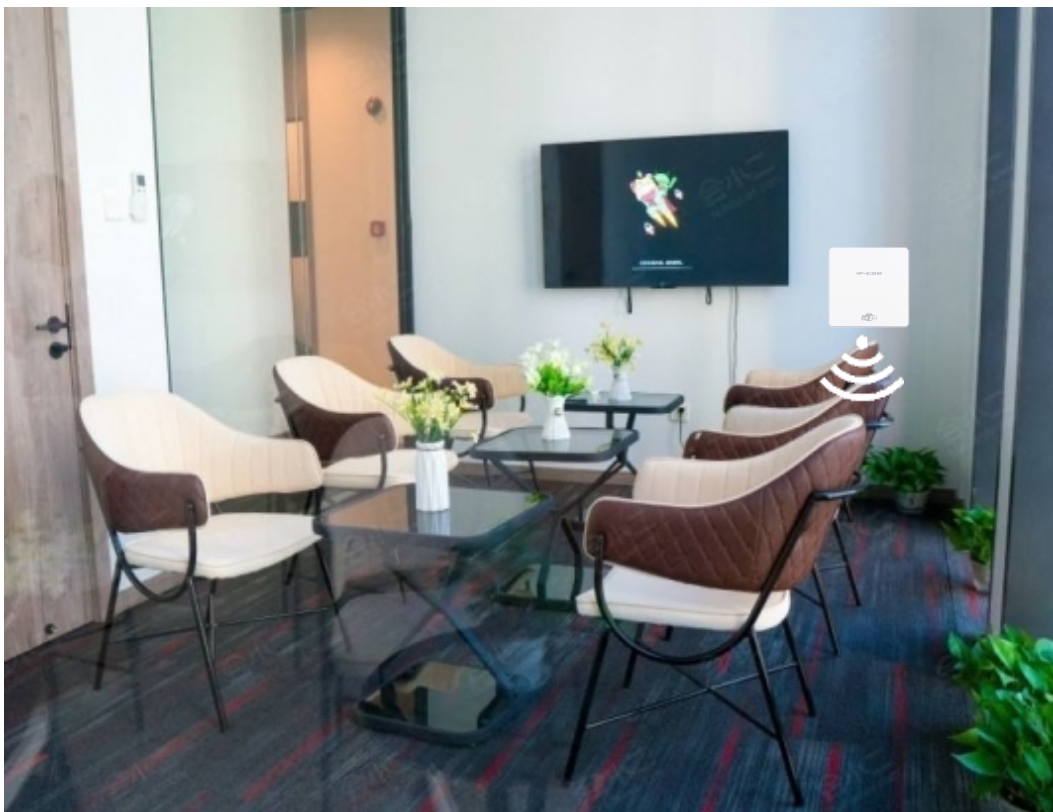
High speed

Wi-Fi 6 standard with maximum rates of up to 3000Mbps per AP.

2. Solutions——Key Locations Network Deployment

Meeting Room: In-wall AP for performance and aesthetics

Meeting rooms are small in size and have a small number of connected devices. Each room is covered by one in-wall AP; It is aesthetically pleasing with high speed and stable wireless access.



In-wall AP

Elegant
appearance

Stylish design with a wide range of colours to suit all decoration styles.

Easy installation

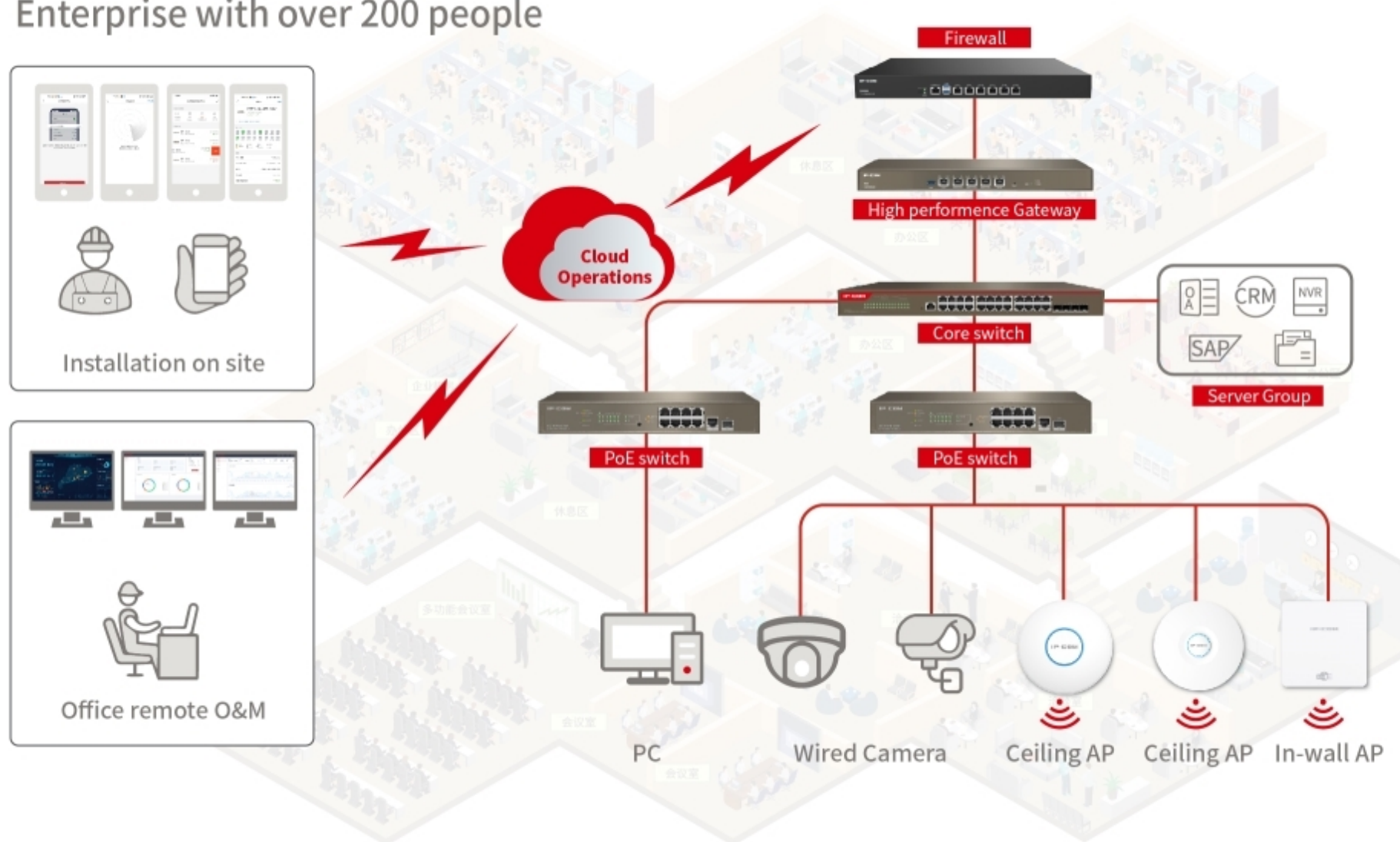
Supports PoE power supply and only requires one Ethernet cable.

High speed

3000Mbps wireless rate

2. Solutions——Network topology

Enterprise with over 200 people

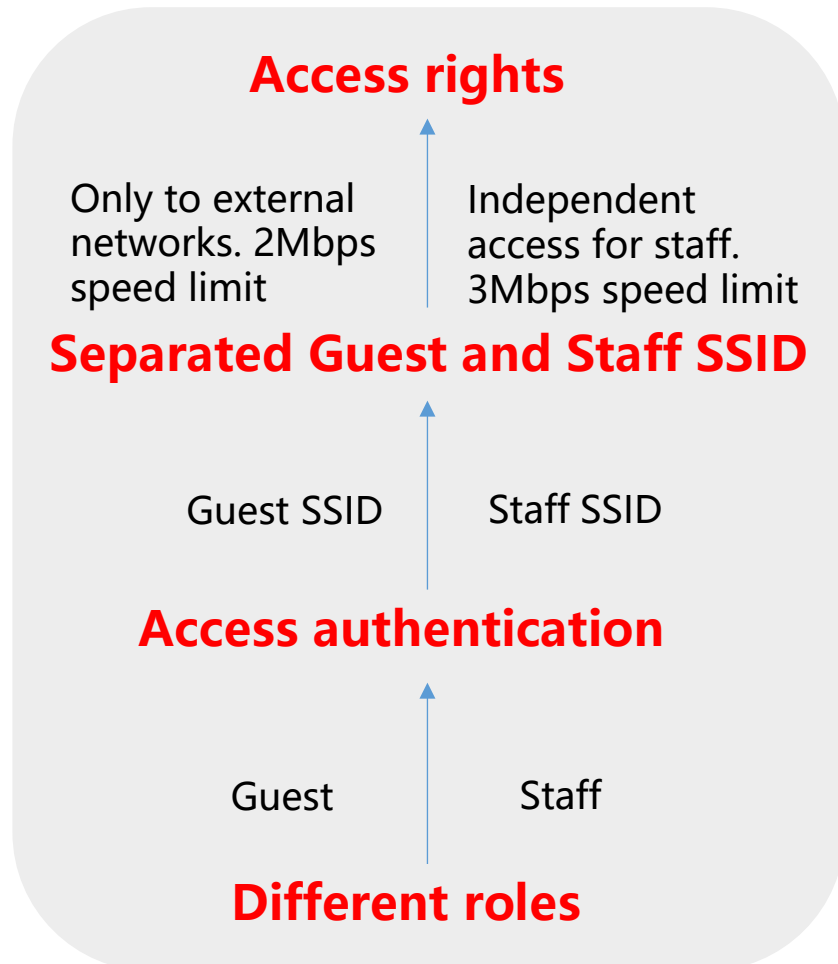


1. Requirements
2. Solutions
3. Benefits
4. Recommendations

3. Benefits

Benefit 1: Internal and external network isolation for network security and reliability

Guest Network SSID can easily distinguish accesses for guests and staff; Company staff can only access the internet through authentication; Different areas can be divided by VLANs for enterprise network security



3. Benefits

Benefit 2: High quality wireless network experience

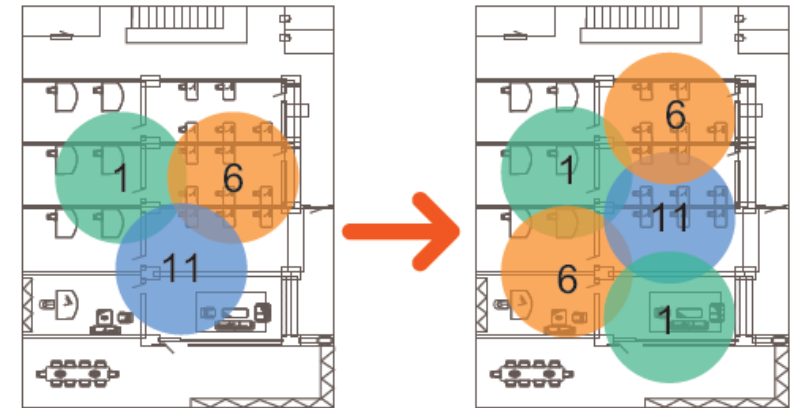
Seamless roaming



Load balancing



Automatic channel optimisation



- Channel 1
- Channel 6
- Channel 11

3. Benefits

Benefit 3: Multiple authentication ensures the access control for a more secure network

The screenshot shows the IP-COM web interface configuration page. On the left, there are settings for the logo, title, background image, disclaimer, and redirection. The logo section has 'Change Image' and 'Delete' buttons, with a note that the logo image cannot exceed 30KB. The title section has a text box containing 'Welcome to IP-COM'. The background image section has 'Change Image' and 'Delete' buttons, with a note that the background image cannot exceed 200KB and its height-to-width ratio is 16:9. The disclaimer section has a text box containing '123'. The redirection section has radio buttons for 'Original Page' (selected) and 'Specified Page', with a text box for the URL containing 'http://'. On the right, there is a preview of the IP-COM web interface, which includes the IP-COM logo, a 'Welcome to IP-COM' message, and a 'Connect' button. The background image of the preview is a modern building at night.

- User Name and Password

The screenshot shows the 'SMS Provider Settings' dialog box. At the top, there is a dropdown menu for 'Authentication Type' set to 'WiFi via SMS'. The dialog box contains the following fields: 'SMS Provider' (set to 'Jixintong'), 'SMS Provider User Name' (empty), and 'SMS Provider Password' (empty). The 'Content' field contains an example message: 'Example: In the SMS message "Your verification code is: \$\$CODE\$\$ [IP-COM Technology]", \$\$CODE\$\$ is SMS verification code.' Below the content field, there is a note: 'Special symbols may not be properly sent due to an SMS provider or mobile phone model.' At the bottom, there are 'OK' and 'Cancel' buttons.

- Via MSN

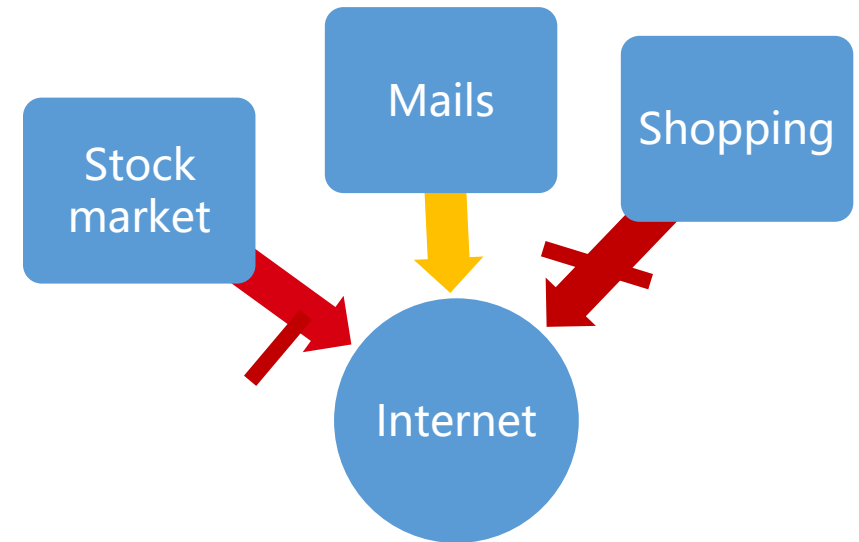
3. Benefits

Benefit 4: A secure, reliable and controlled network

- Anti-virus protection;
- Integrated security technologies against attack;
- Thousands of mainstream applications identified with content control, significantly improving working efficiency;

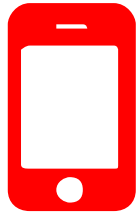


Virus destroyer



3. Benefits

Benefit 5: Easy to use, effortless project experience



Only need a phone

- Automatic pre-sales solution generation and online consultation;
- Gateway, switch, AP managed by APP
- APP One-Click Network configuration;
- Engineering acceptance tests, e.g. signal, network speed;
- Automatic report generation



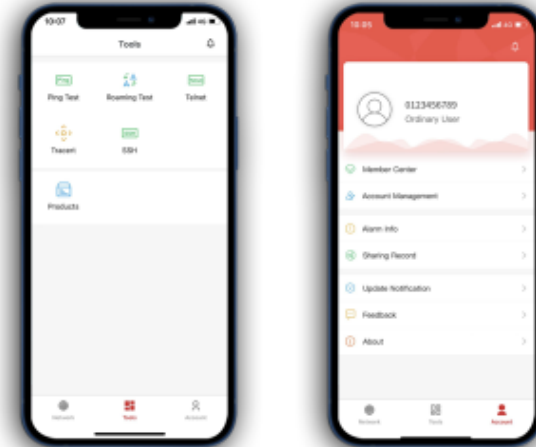
Rapid negotiation, no struggle for solutions



Rapid deployment, simple operation and maintenance








Rapid acceptance, no delays in project delivery









1. Requirements
2. Solutions
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4. Recommendations——Cost-effective Wi-Fi5 solution

Scene	Device	Model	Image	Features	Layer
Server room	Gateway	M50		<ul style="list-style-type: none">•5*Gigabit Ethernet ports, supports 4 broadband accesses•PPPoE,WEB,SMS authentication•Maximum user capacity: 200•MAX AP Manage number:100•Smart Bandwidth Control	Core layer
Server room	Switch	G5328F		<ul style="list-style-type: none">•24*Gigabit Ethernet ports, 4*Gigabit SFP ports•Switch capacity 336Gbps•DHCP server, Layer 3 static routing, Cloud/APP management	Core layer
Low voltage silo on each floor	Switch	G3310P-8-150W		<ul style="list-style-type: none">•8*Gigabit Ethernet ports, 2*Gigabit SFP ports•Max PoE Power Supply of whole device: 130W•Cloud/APP management	Access layer
Office/Small meeting room	In-wall AP	W36AP		<ul style="list-style-type: none">•300Mbps+867Mbps•2*Gigabit Ethernet ports•18dBm+16dBm	Access layer
Office/Meeting room	Ceiling AP	W63AP		<ul style="list-style-type: none">•300Mbps+867Mbps•1*Gigabit Ethernet ports•26dBm+26dBm	Access layer

4. Recommendations——Cost-effective Wi-Fi 6 solution

Scene	Device	Model	Image	Features	Layer
Server room	Gateway	M50		<ul style="list-style-type: none">•5*Gigabit Ethernet ports, supports 4 broadband accesses•PPPoE,WEB,SMS authentication•Maximum user capacity: 200•MAX AP Manage number:100•Smart Bandwidth Control	Core layer
Server room	Switch	G5328X		<ul style="list-style-type: none">•24*Gigabit Ethernet ports, 4*10 Gigabit SFP ports•Switch capacity 598Gbps•DHCP server, Layer 3 static routing, Cloud/APP management	Core layer
Low voltage silo on each floor	Switch	G5310P-8-150W		<ul style="list-style-type: none">•9*Gigabit Ethernet ports, 1*Gigabit SFP port•Max PoE Power Supply: 130W•DHCP server, Layer 3 static routing, Cloud/APP management	Access layer
Office/Small meeting room	In-wall AP	Pro-6-IW		<ul style="list-style-type: none">•574Mbps+2402Mbps•2*Gigabit Ethernet ports•20dBm+20dBm	Access layer
Office	Ceiling AP	Pro-6-LITE		<ul style="list-style-type: none">•574Mbps+2402Mbps•1*Gigabit Ethernet port•26dBm+26dBm	Access layer
Office/Conference room	Ceiling AP	Pro-6-LR		<ul style="list-style-type: none">•574Mbps+2402Mbps•2*Gigabit Ethernet ports•29dBm+29dBm	Access layer

IP-COM / THANKS

WORLD WIDE WIRELESS