IP-COM WLAN Solution For Enterprises

———Up to 50 people

Catalogue
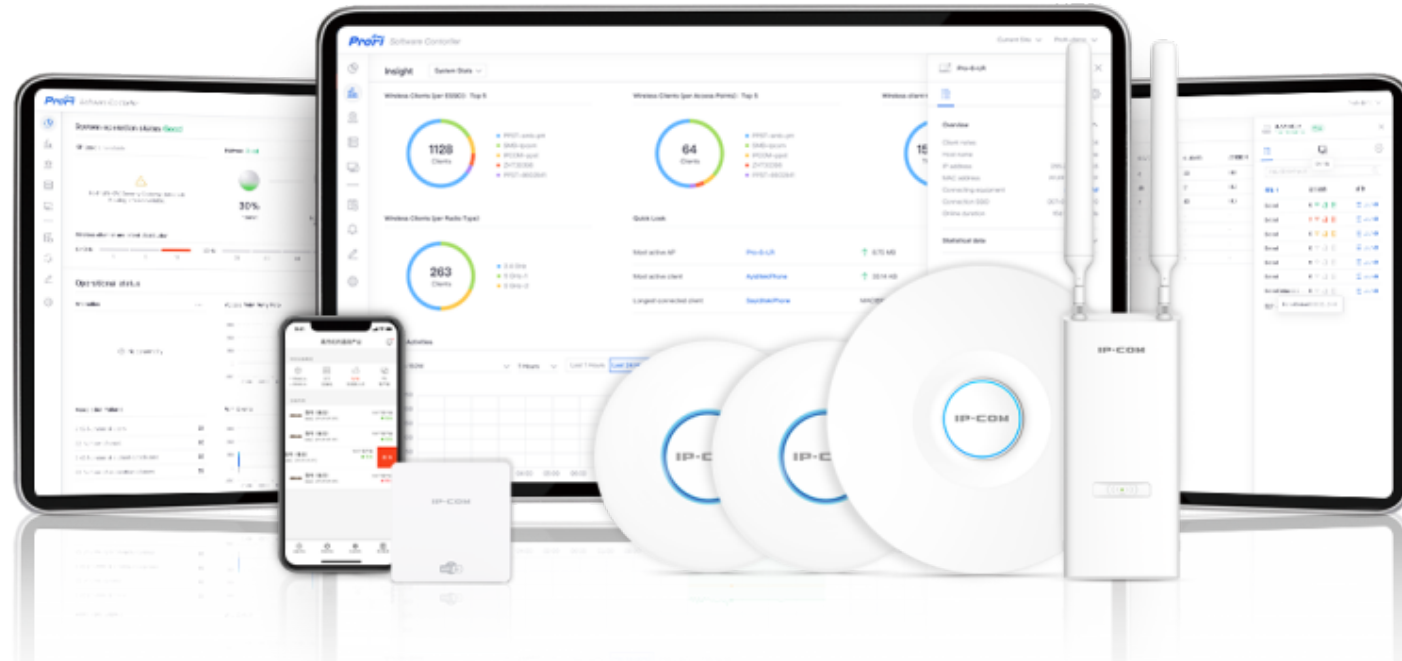
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1. Requirements of office scenarios

1. Good roaming experience
2. Video conferencing without latency.

office zone

office zone

meeting room

rest zone

pantry

reception

Low voltage silo

Seperated Guest and Work SSID

Separated Guest and Internal SSID

1. Fewer devices, easy installation and deployment
2. Low failure rate, remote O&M
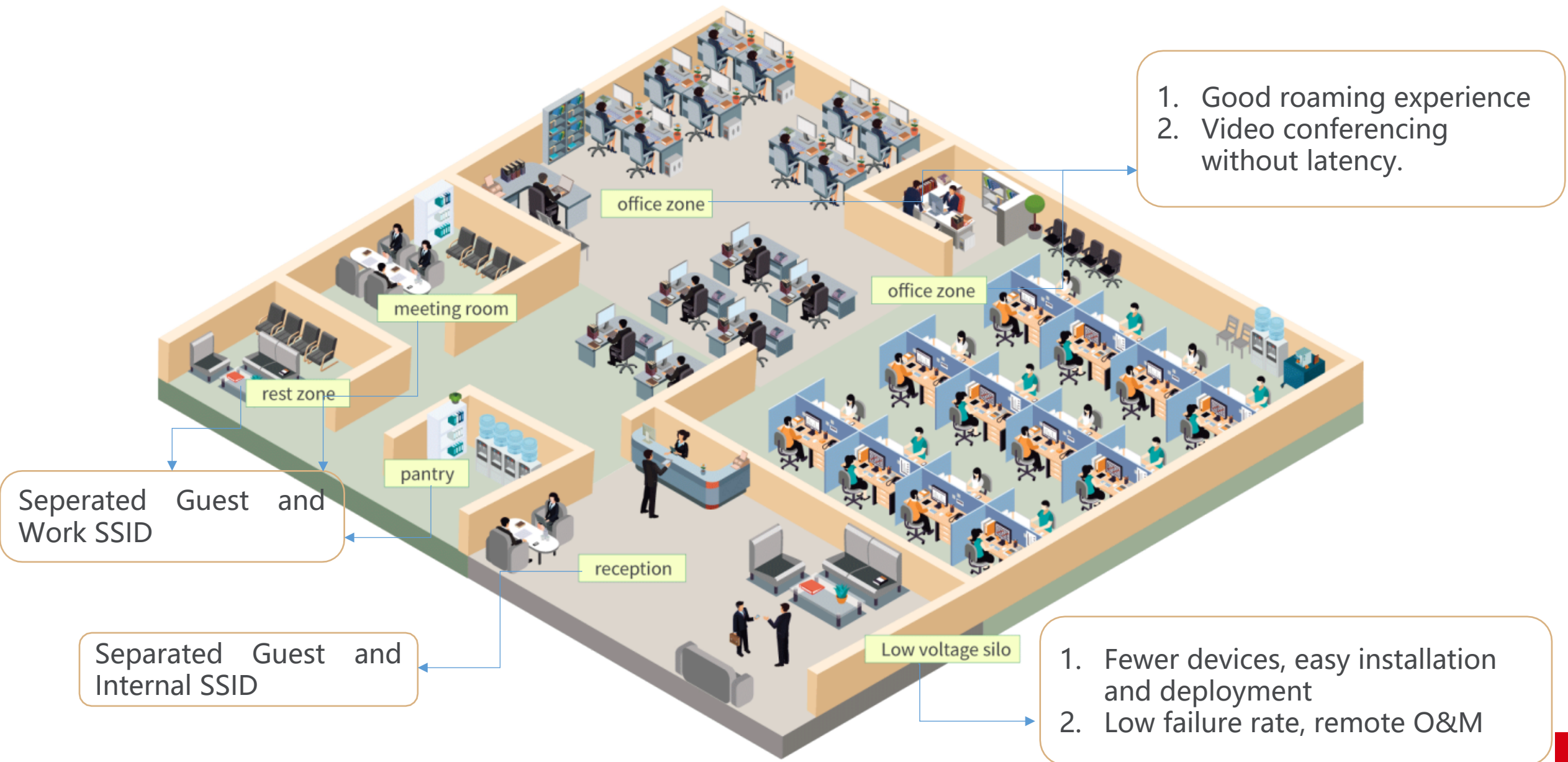
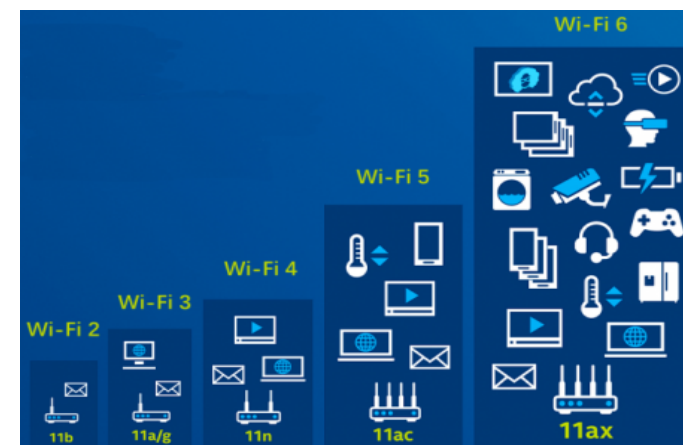Enterprise with up to 50 people

1. Requirements Summary

1 Separated internal and external networks

2 Good wireless network experience
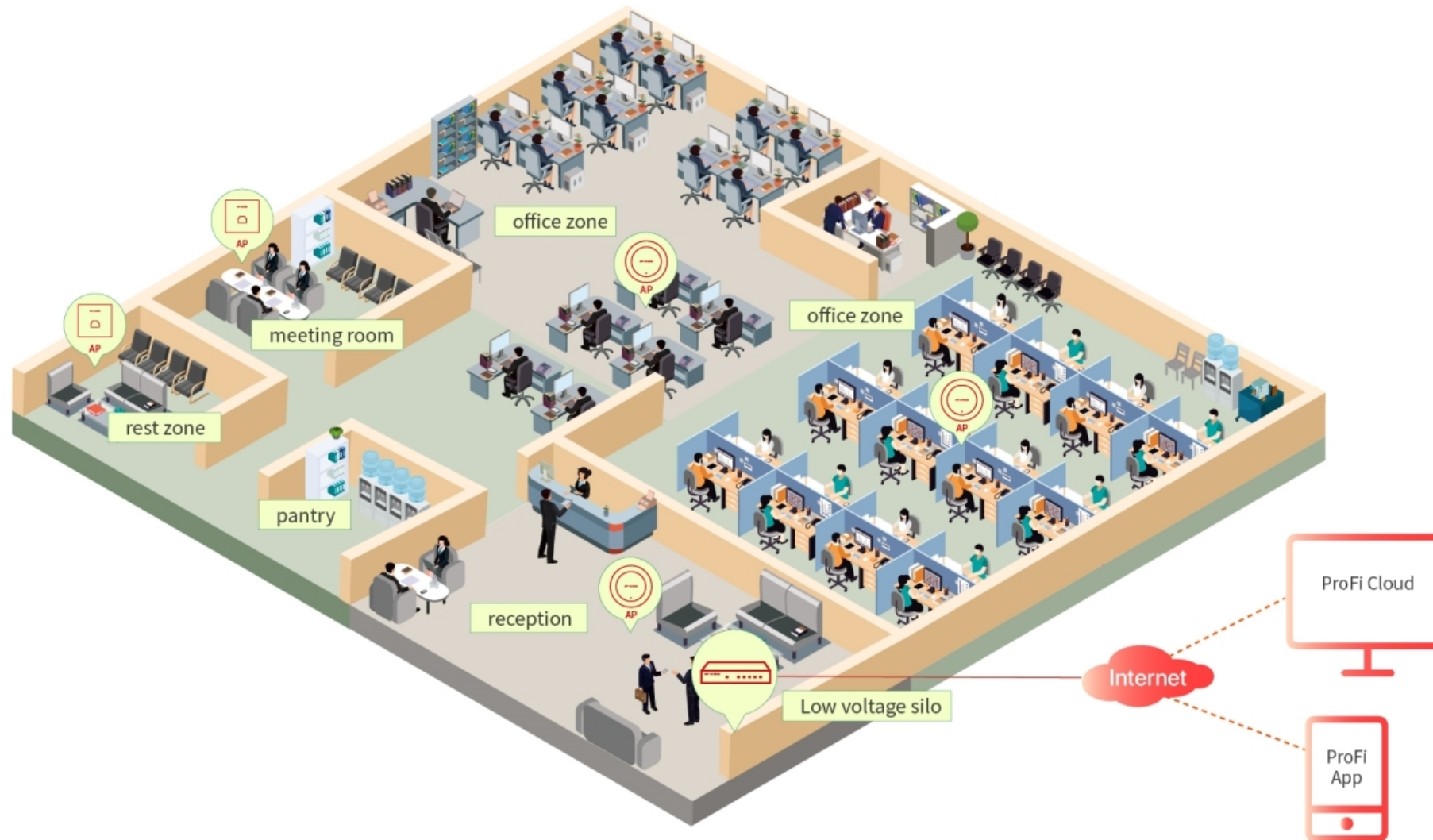

3 Easy and fast deployment

4 Easy maintenance
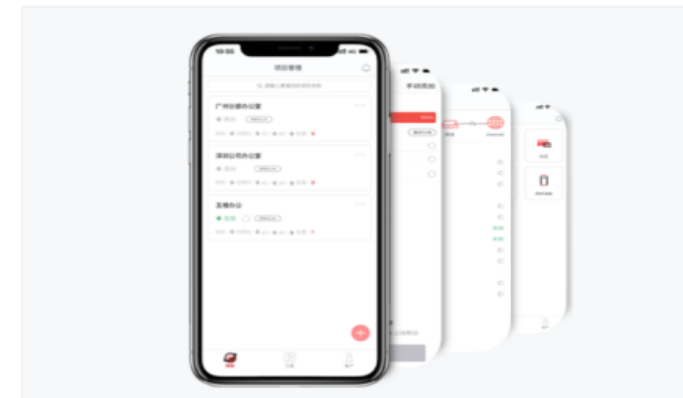
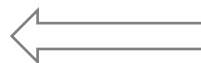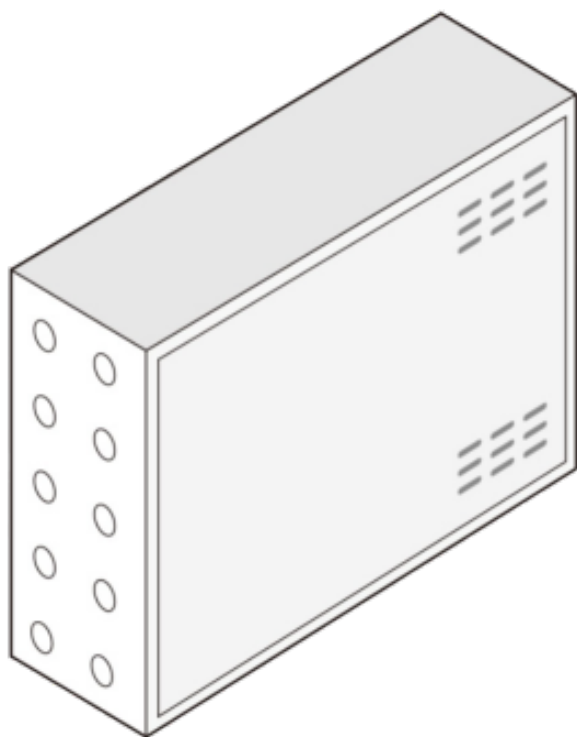# Catalogue

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2. Solutions——Key Locations Network Deployment

Low voltage silo

SG-PRO-9P: Small size, can be placed in a Low voltage silo; support up to 4 ISP access, can power up to 8 terminals devices; greatly reduce the cost of enterprise networking.

Palm size

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

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Staff SSID   Guest SSID
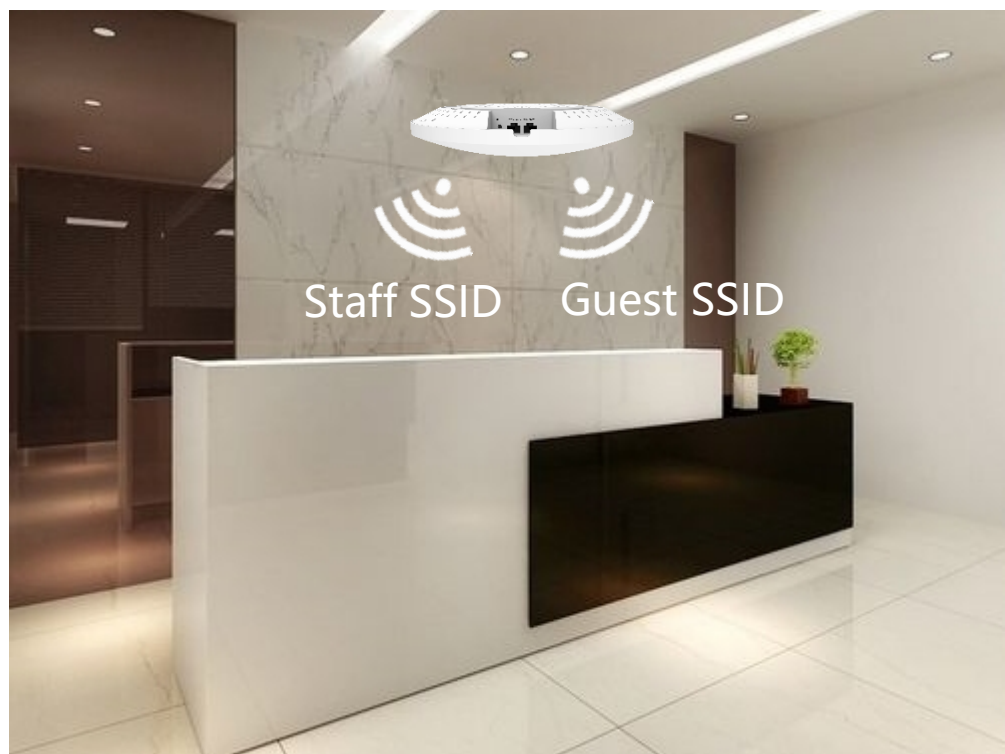
Separated Guest and Staff SSID

Guest   Staff

Different roles

Guest SSID   Staff SSID

**Access rights**

Only to external networks. 2Mbps speed limit

Independent access for staff. 3Mbps speed limit

Access authentication

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.
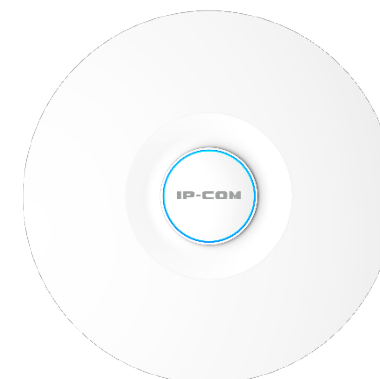
Ceiling AP

| Wide Coverage	Smooth Roaming	High Speed
Designed with high gain omni-directional antennas ，per AP to cover up to 500㎡.	Support 802.11k/v protocol fast roaming, roaming switching time is less than 50ms.	Wi-Fi 6 standard with maximum rates of up to 3000Mbps per AP.

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.
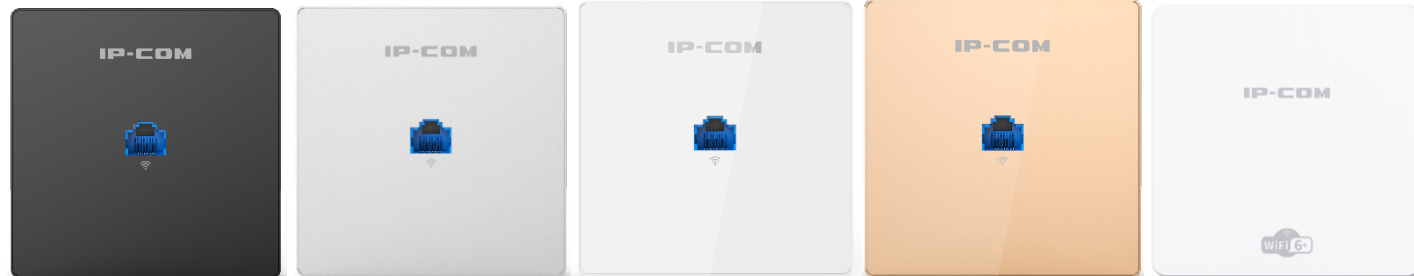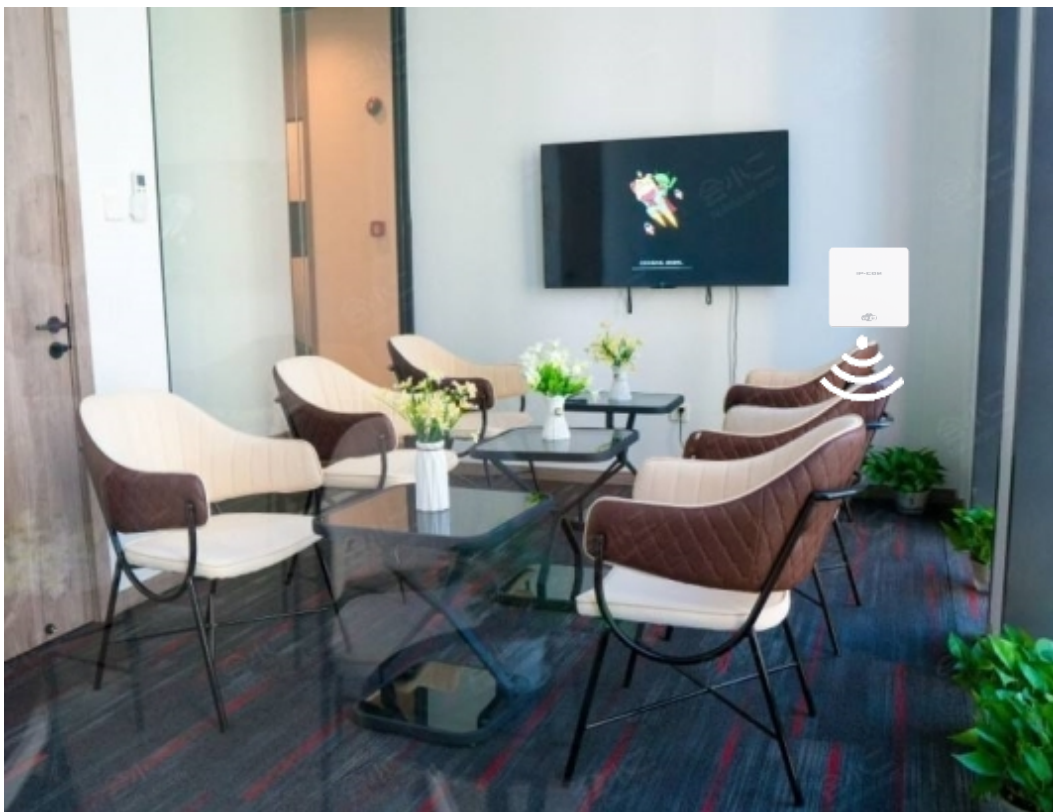
In-wall AP

Elegant appearance	Easy installation	High speed
Stylish design with a wide range of colours to suit all decoration styles.	Supports PoE power supply and only requires one Ethernet cable.	3000Mbps wireless rate

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Installation on site

Office remote O&M

Cloud Operations

All-in-one PoE router

Ceiling AP   Ceiling AP   In-wall AP   Camera   PC   PC

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3. Benefits

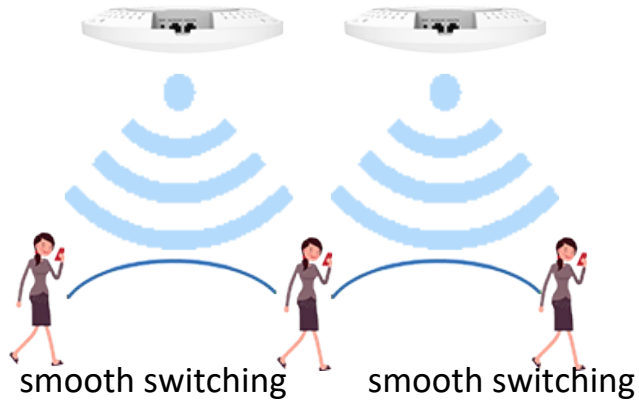## Benifit 1: One-click for internal and external network isolation

Guest Network SSID can easily distinguish accesses for guests and staff；Company staff can connect to office network via a password and guests need to connect to Guest Network SSID
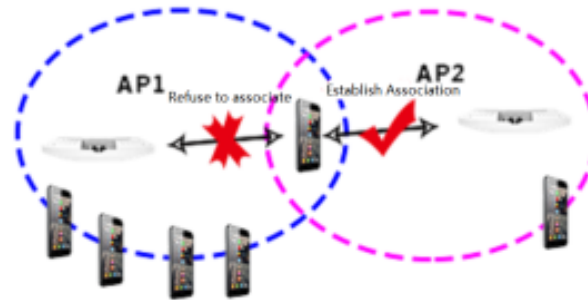
Access rights

Only to external networks. 2Mbps speed limit

Independent access for staff. 3Mbps speed limit

Separated Guest and Staff SSID

Guest SSID | Staff SSID

Access authentication

Guest | Staff

Different roles

Internet

Guest SSID | Staff SSID | Staff SSID

Phone | PAD | PC | PC

Guest | Staff | Administrator

SMS/
no authentication | Wifi password | Whitelist
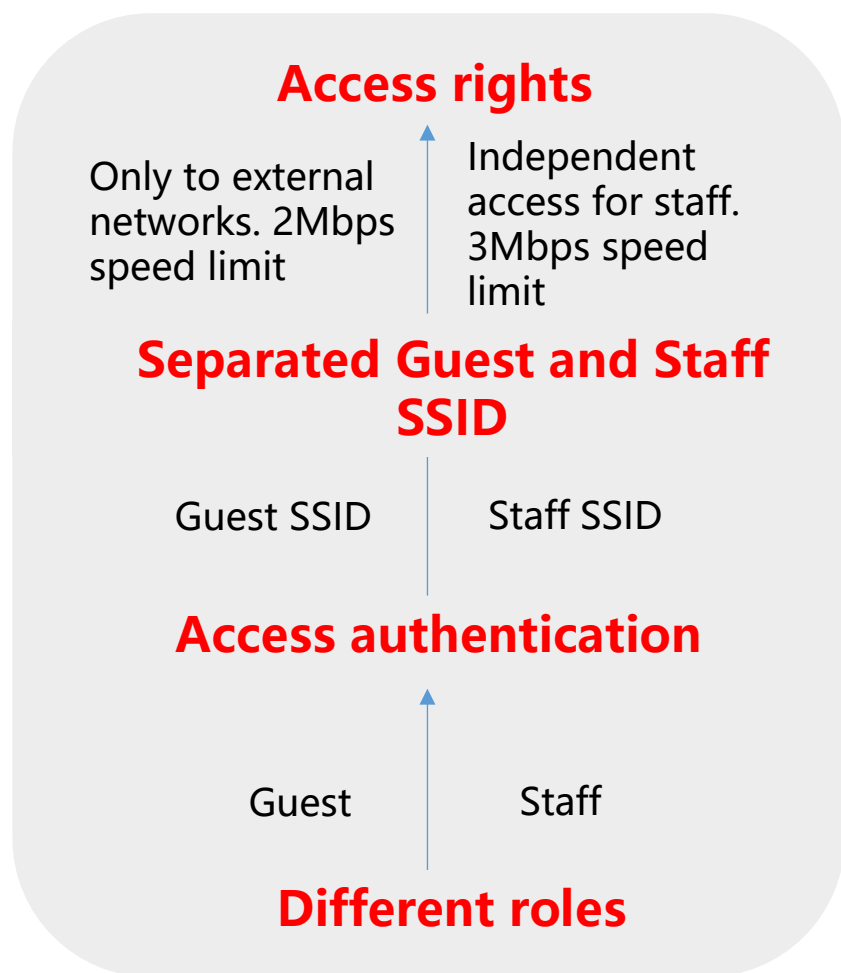
Benifit 2: High quality wireless network experience

Seamless roaming   **Load balancing**   **Automatic channel optimisation**

smooth switching   smooth switching
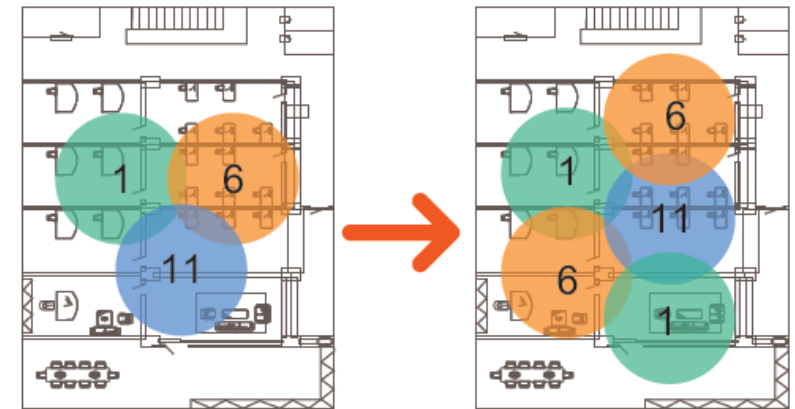
3. Benefits

Benefit 3: Easy installation and fast configuration

Quick set-up wizard, no engineering experience required

Installation: A quick setup wizard automatically pops up when you connect to WiFi, so you can complete your network setting in two easy steps.

Maintenance: APP & Cloud platform ensure real-time project status monitoring, aftersales maintenance and remote operation.
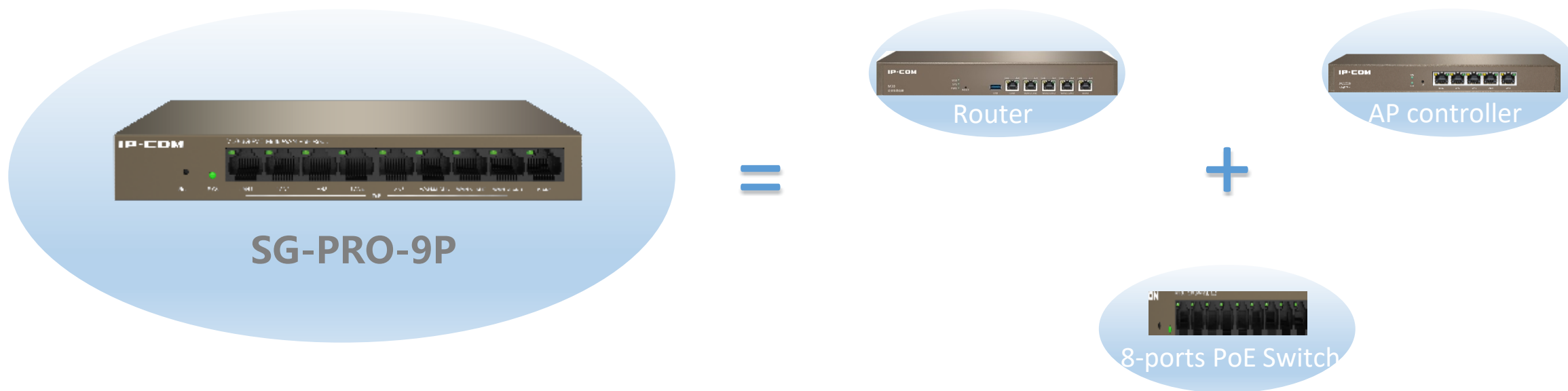
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Benefit 4: **Integrated Router, AC Controller and PoE Power Supply, easy to install and manage**

Full-featured and Cost-saving

Router, AC and 8-port PoE switch all-in-one, eliminating the need for an AC and PoE-powered switch, resulting in a much lower total solution cost.
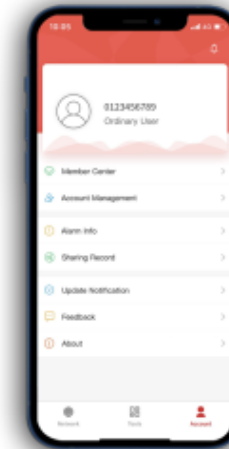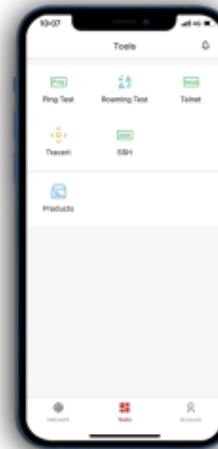
SG-PRO-9P = Router + AP controller + 8-ports PoE Switch

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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**

→ **Rapid negotiation, no struggle for solutions**

- **APP One-Click Network configuration**

;
- **Engineering acceptance tests, e.g. signal, network speed;**

→ **Rapid deployment, simple operation and maintenance**

- **Automatic report generation**

→ **Rapid acceptance, no delays in project delivery**

Catalogue

1. Requirements

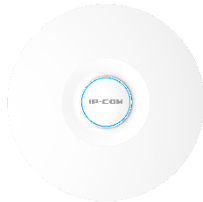2. Solutions

3. Benefits

4. Recommendations

4. Recommendations
——Cost-effective Wi-Fi5 solution

Scene	Device	Model	Image	Features	Layer
Server room/ Low voltage silo	Gateway	SG-PRO-9P		• 9*Gigabit Ethernet ports, 8*PoE ports • Max PoE power supply of single port: 30W • Max PoE power supply of whole device: 95W	Core layer
Meeting room	In-wall AP	W36AP		• 300Mbps+867Mbps • 2*Gigabit Ethernet ports • 18dBm+16dBm	Access layer
Office zone	Ceiling AP	W63AP		• 300Mbps+867Mbps • 1*Gigabit Ethernet Port • 26dBm+26dBm	Access layer

4. Recommendations
——High Performance Wi-Fi6 Solution

Scene	Device	Model	Image	Features	Layer
Server room/ Low voltage silo	Gateway	SG-PRO-9P		• 9*Gigabit Ethernet ports, 8*PoE ports • Max PoE power supply of single port: 30W • Max PoE power supply of whole device: 95W	Core layer
Meeting room	In-wall AP	Pro-6-IW		• 574Mbps+2402Mbps • 2*Gigabit Ethernet ports • 20dBm+20dBm	Access layer
Office zone	Ceiling AP	Pro-6-LITE		• 574Mbps+2402Mbps • 1*Gigabit Ethernet Port • 26dBm+26dBm	Access layer
Reception/Office zone	Ceiling AP	Pro-6-LR		• 574Mbps+2402Mbps • 2*Gigabit Ethernet ports • 29dBm+29dBm	Access layer

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