

Wireless Product Introduction

Your Partner in Industrial Communication



CONTENTS

01 Product Introduction

02 Application & Case Sharing





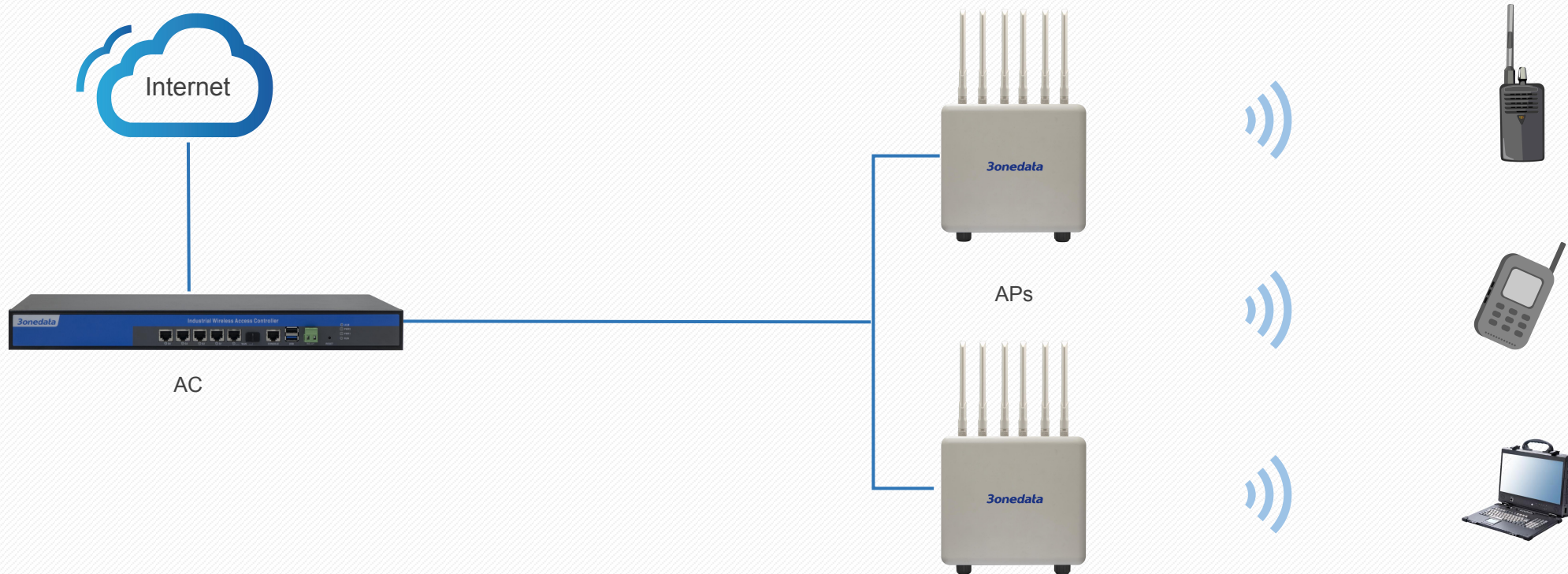
01

Product Introduction

- About WLAN
- Product Overview
- Key Technology

What Is a Wireless Network?

A wireless network contains WWAN (Wireless Wide Area Network), WLAN (Wireless Local Area Network), WMAN (Wireless Metropolitan Area Network) and WPAN (Wireless Personal Area Network)



AC (access controller):

Support centralize configuration, management and maintenance of AP.

AP (access point):

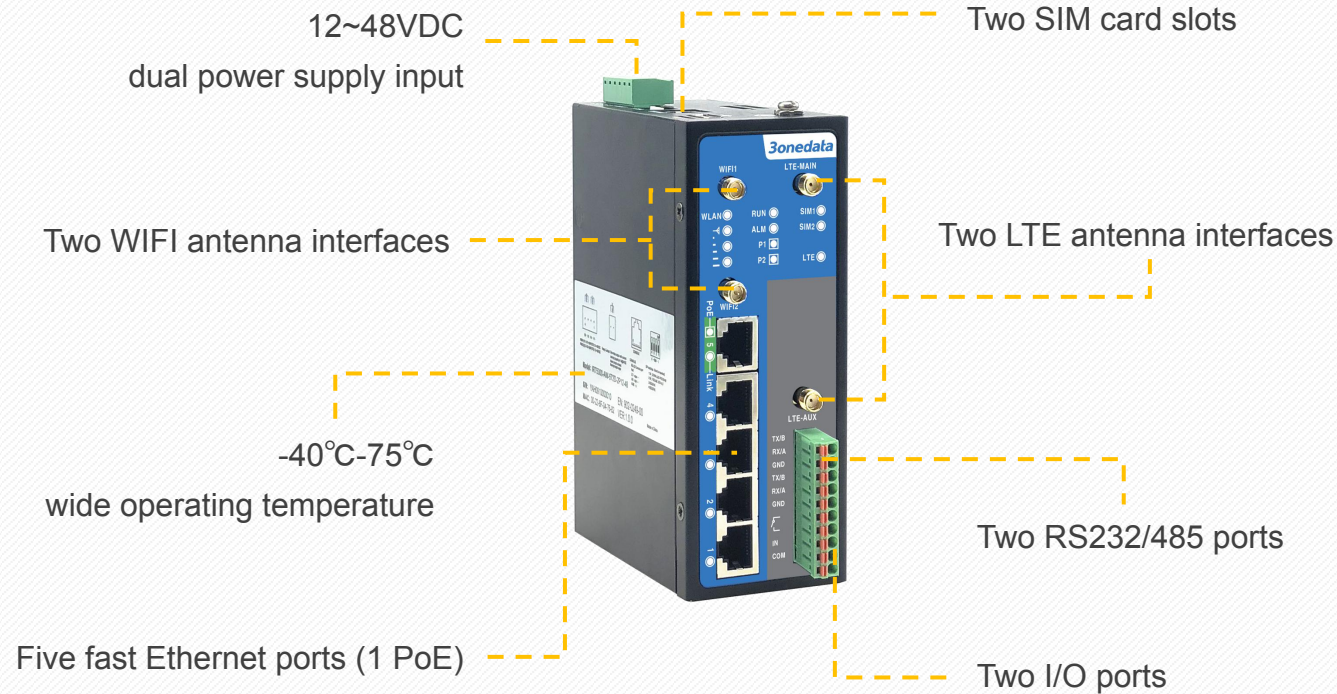
The downlink communicates with STA via wireless link, and the uplink connects with AC via wired link.

STA (station):

Wireless network terminal, access AP through wireless link.

IRT5300-AW-5T2D

DIN-rail Industrial 4G Router



- Support all 4G networks cellular wireless network types: LTE / WCDMA (HSPA+) / EDGE / TD-SCDMA / GSM / CDMA / GPRS.
- Support WLAN wireless hotspot function.
- Support GPS location extension.
- PoE port supports 48VDC power supply input.



IAP2312N-2T

2.4GHz Industrial Wireless AP

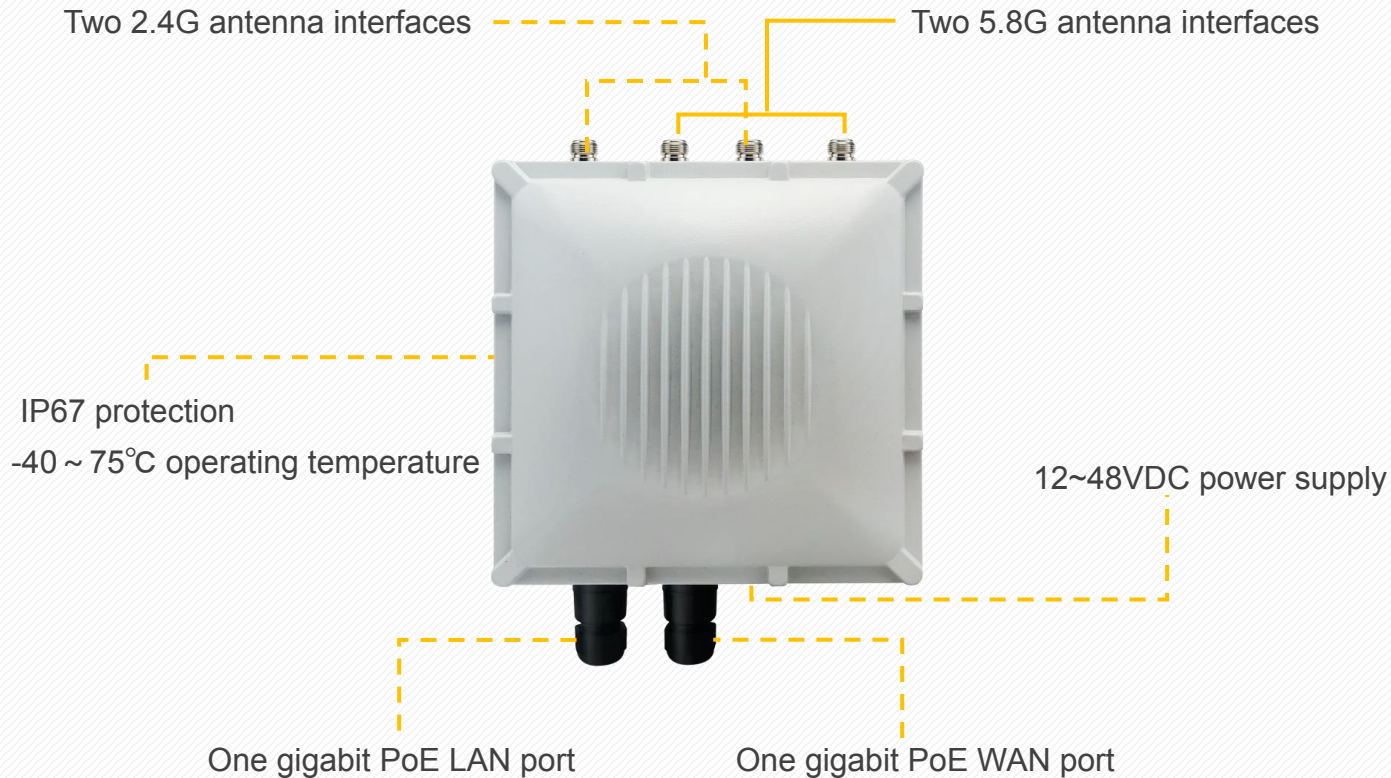


- Support 802.11b/g/n, single frequency 2.4GHZ MIMOx2, wireless throughput is up to 300 Mbps and 64 simultaneous users .
- Connected with 5DBi antenna with bar-shape, coverage is more than 100 meters in the open area.
- Support Route mode, AP mode, Bridge mode, Client mode and other working modes.
- EMC level 3 designation ,isolated power supply input, 1.5KV isolation protection.



IAP2600-4A25

Wall-mounted / Pole-mounted Industrial Outdoor Dual-band Wireless AP



- Four operating modes: Route, AP, Bridge and Client.
- Support 2.4GHz and 5.8GHz dual bands.
- WAN/LAN port supports 48VDC PoE power input.
- 15KV ESD, 6KV lightning protection, 4KV power supply anti-interference function.
- Support multiple AP fast roaming technology, switching time is less than 50ms.
- Support wireless probe to achieve personal locating function.



IAC8500-1GC4GT

1U Rack-mounted 5-port Full Gigabit Industrial Wireless Controller

4 Gigabit RJ45 LAN ports

1 Gigabit Combo WAN port(SFP slot or RJ45)



110~240VAC dual power supply input
3A over-current protection

-40 ~ 75°C
wide operating temperature

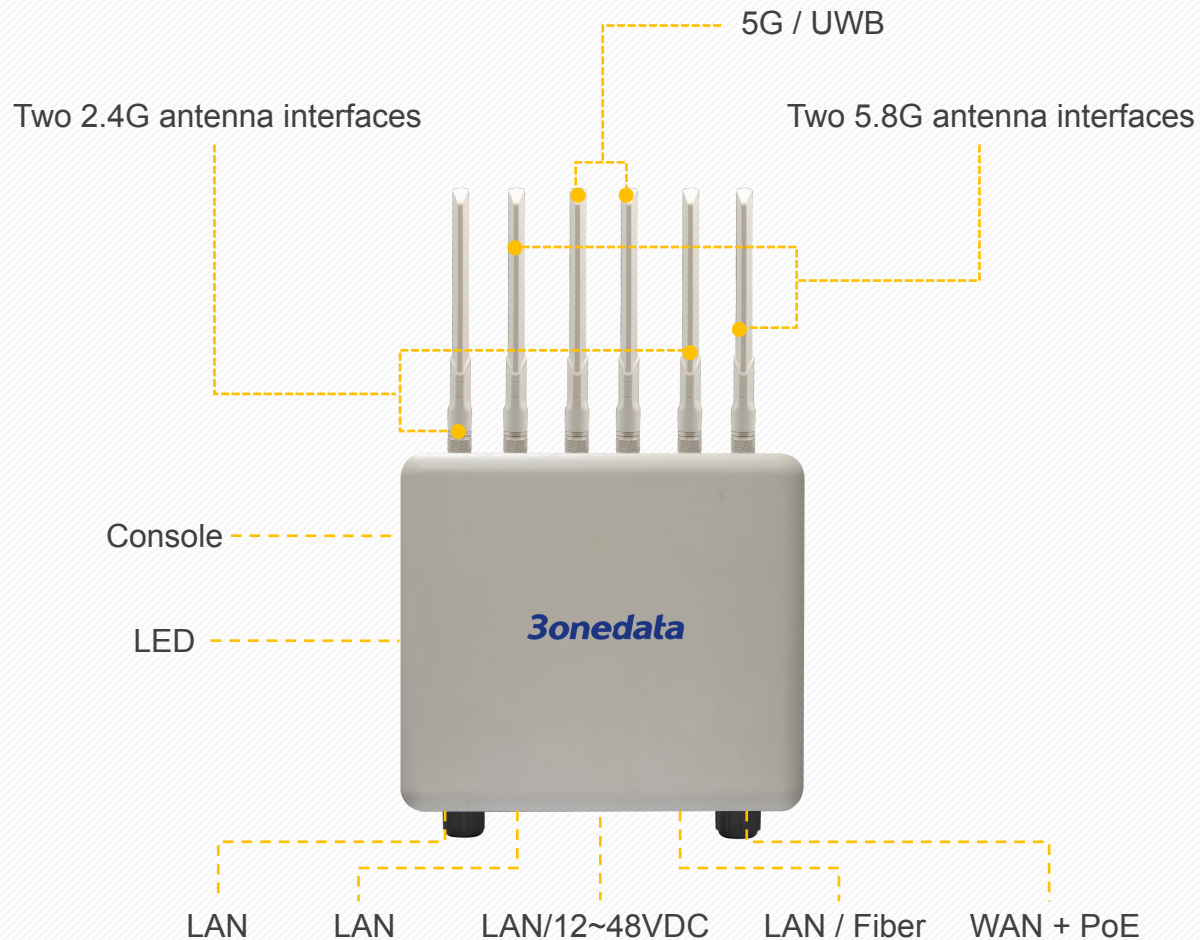
- Support centralized management of AP devices, including group management, location management, device list and device batch upgrading, etc.
- Support centralized forwarding and distributed forwarding
- Quick discovery of wireless AP device
- Fast roaming of layer-2 network when used with IEEE802.11b/g/n/ac wireless AP



IAP2600S-4A25

NEW

Wall-mounted / Pole-mounted Industrial Outdoor Dual-band Wireless AP



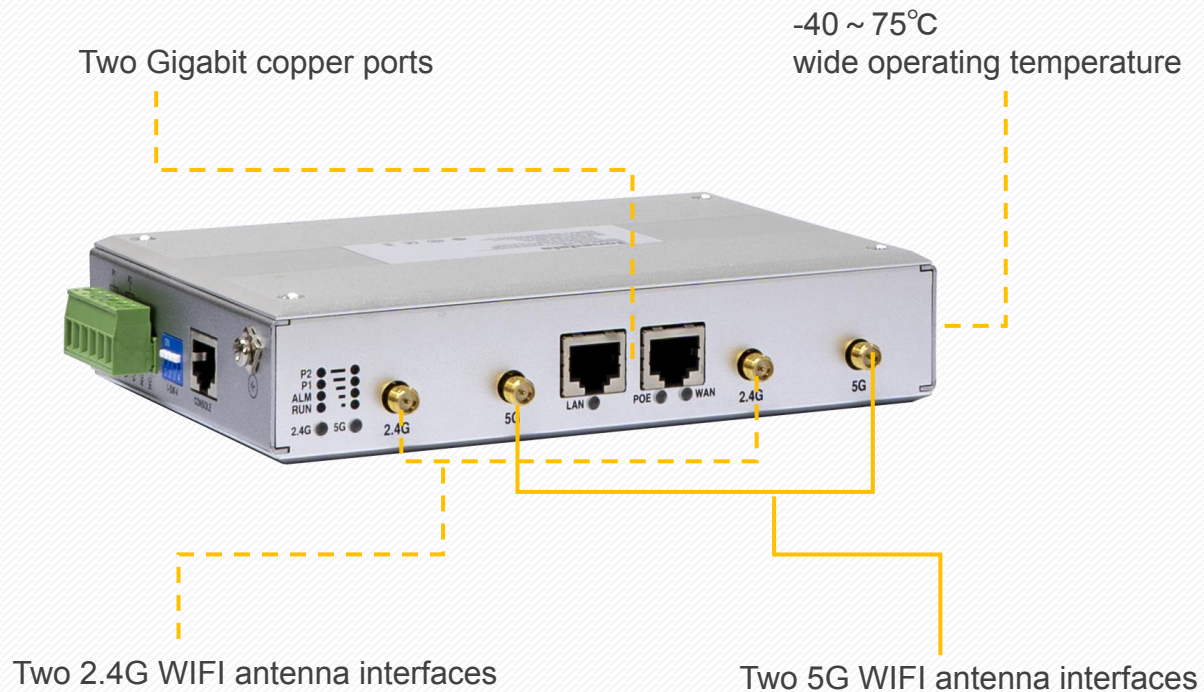
- Four operating modes: Route, AP, Bridge and Client.
- Support 2.4GHz and 5.8GHz dual bands.
- WAN/LAN port supports 48VDC PoE power input.
- 15KV ESD, 6KV lightning protection, 4KV power supply anti-interference function.
- Support multiple AP fast roaming technology, switching time is less than 50ms.
- Support wireless probe to achieve personal locating function.



IAP2300R

Wall-mounted / DIN-rail Industrial Roaming Wireless AP

NEW



- Support WLAN wireless hotspot function
- Dual power supply, input voltage: 12~48VDC
- WAN port supports PoE 48VDC power supply input
- Support multi-AP fast roaming technology, the switching time is less than 50ms
- Wireless probe to can realize personal positioning function with location engine



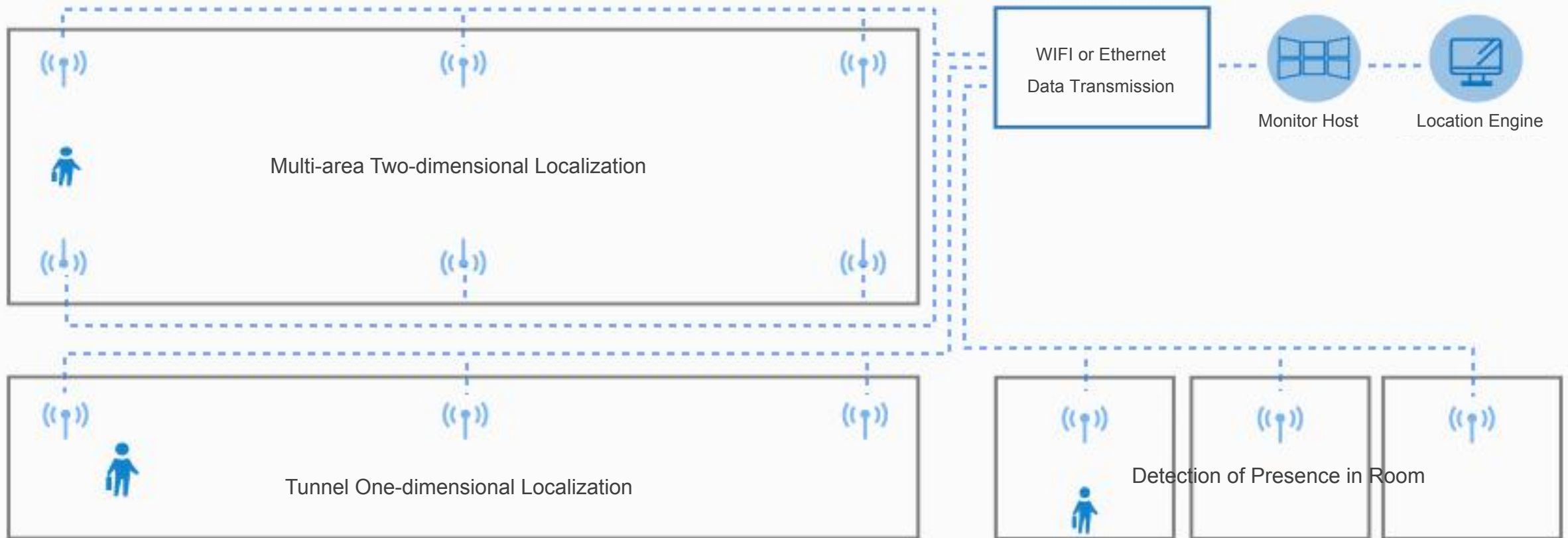
802.11ac WAVE2

Property	802.11n	802.11ac wave1	802.11ac wave2
Channel Bandwidth	20/40MHz	20/40/80MHz	20/40/80MHz-80/160MHz
Modulation System	64QAM	256QAM	256QAM
Space Flow	3	3	4
Carrier-frequency Band	2.4 & 5GHz	5GHz	5GHz
Theoretical Rate	450Mbps	1.3Gbps	3.47Gbps

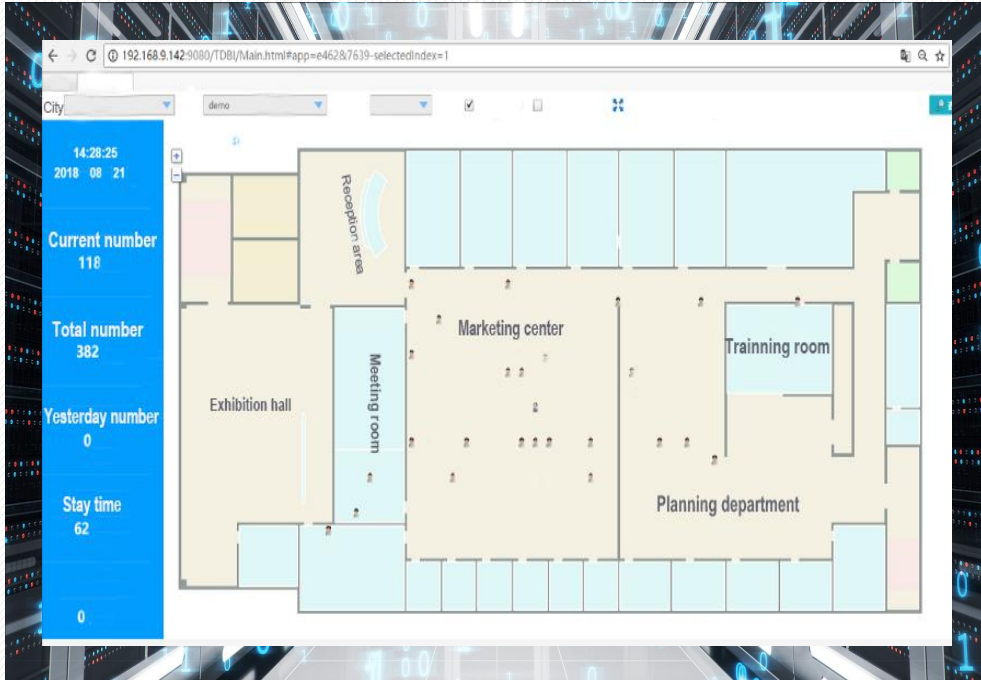


Communicate with multi WIFI terminals simultaneously

WIFI Based LBS (Location Based Service)



Real-time Position Monitoring & Staff Information Management



Real-time Position Monitoring

User management

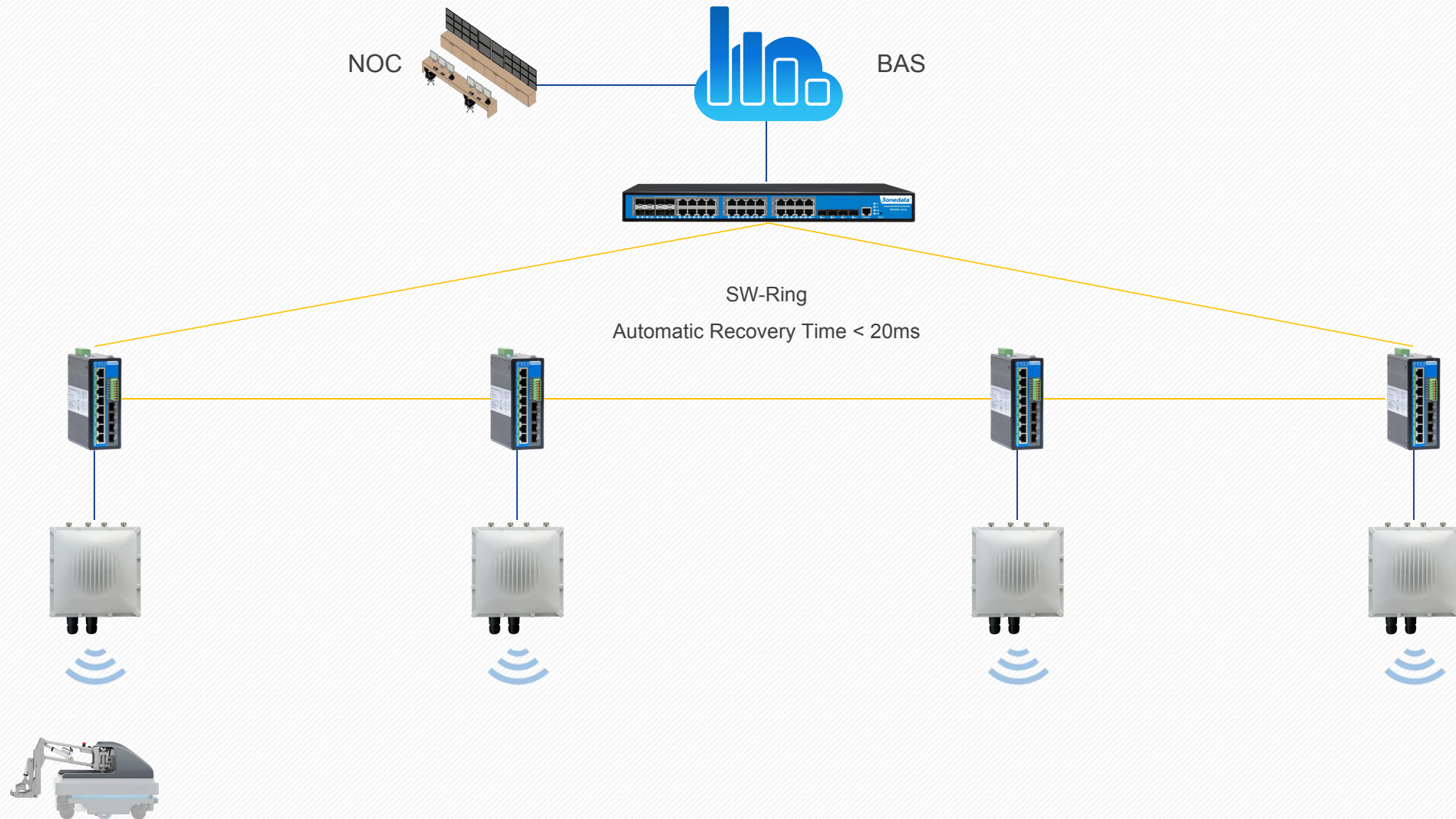
Name: Tel: WIFI MAC:

Bluetooth MAC: Group:

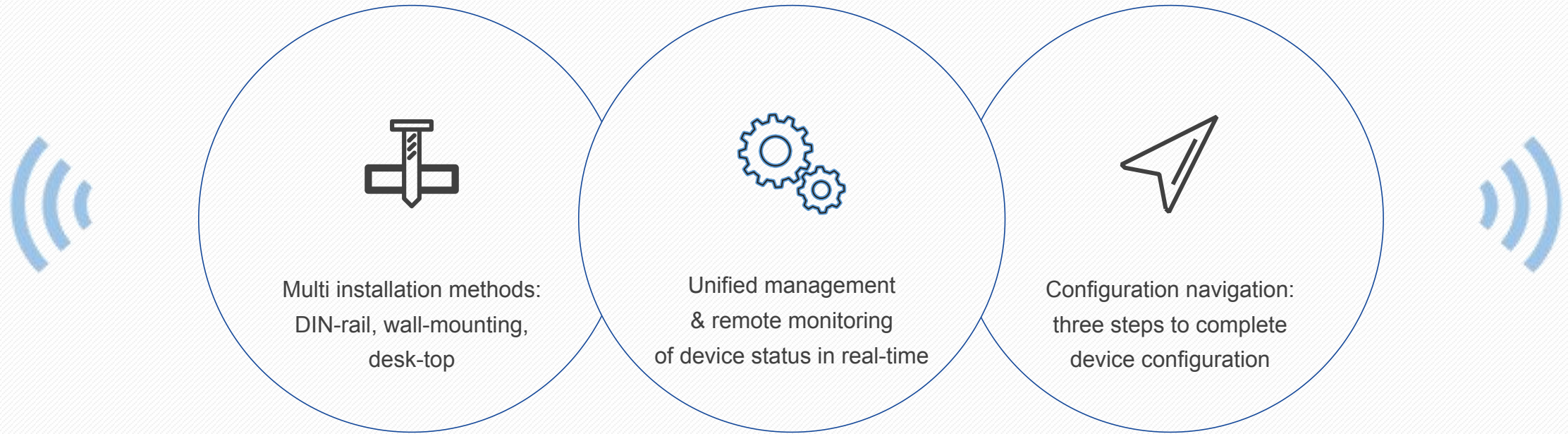
Name	Creat time	Gender	Membership level	Tel	Group number	WIFI MAC
6c5c14ed6663	2018-08-02 17:54					6c5c14ed6663
<input type="checkbox"/> c4f08120186d	2018-08-02 17:48					c4f08120186d
<input type="checkbox"/> 60a4d0869301	2018-08-02 17:41					60a4d0869301
<input type="checkbox"/> 48bf6ba45a42	2018-08-02 16:12					48bf6ba45a42
<input type="checkbox"/> 5844987c3ab9	2018-08-02 16:24					5844987c3ab9
<input type="checkbox"/> a4caa080f118	2018-08-02 16:20					a4caa080f118
<input type="checkbox"/> bc6c216e14fa	2018-08-02 16:48					bc6c216e14fa
<input type="checkbox"/> 54dc1d261c46	2018-08-02 16:28					54dc1d261c46
<input type="checkbox"/> 44c34674691a	2018-08-02 16:51					44c34674691a
<input type="checkbox"/> 4466fc0cdbd3	2018-08-02 16:10					4466fc0cdbd3
<input type="checkbox"/> dc6dcd093b0d	2018-08-02 16:15					dc6dcd093b0d
<input type="checkbox"/> 104400711b0b	2018-08-02 16:28					104400711b0b
<input type="checkbox"/> a47174b58ea2	2018-08-02 16:12					a47174b58ea2
<input type="checkbox"/> 2cfda1cdd419	2018-08-02 16:48					2cfda1cdd419
<input type="checkbox"/> f4e3fbc331bd	2018-08-02 16:25					f4e3fbc331bd
<input type="checkbox"/> 645aed1d2ea4	2018-08-02 15:57					645aed1d2ea4
<input type="checkbox"/> 205d470aab64	2018-08-02 15:09					205d470aab64
<input type="checkbox"/> d03742c06c03	2018-08-02 15:58					d03742c06c03
<input type="checkbox"/> 484520a58c14	2018-08-02 15:53					484520a58c14
<input checked="" type="checkbox"/> 446d6c1baa1d	2018-08-02 15:24					446d6c1baa1d

Staff Information Management

Fast Switching Time



Usability





02

Appliation & Case Sharing

- Product Application
- Case Sharing

Industrial AP Application



Expressway Tunnel
Wireless Patrol System

- Covers distances of one AP up to 1KM (12Dbi directional antenna)
- Uplink transmission distance can reach 120KM with fiber port
- Automatic roaming speed less than 50ms



Crossroads Wireless
Bridge System

- Easy installation & debugging
- High bandwidth utilization, support 20 HD video transmission
- Superior EMI immunity for critical Ethernet extensions



Wireless Talkback & Personnel
Positioning System in Utility Tunnel

- Dual-frequency probe can probe multiband position terminal
- Multiple security mechanisms to enhance wireless network security
- Low power consumption: no-load 4.5W, 7.9W full-load

Industrial 4G Router Application



Environment Monitoring System

- Support VPN encryption to ensure data security
- Stable network data transfer
- Flexible network access modes
- Industrial grade design to withstand harsh environments



Intelligent Industrial Control System

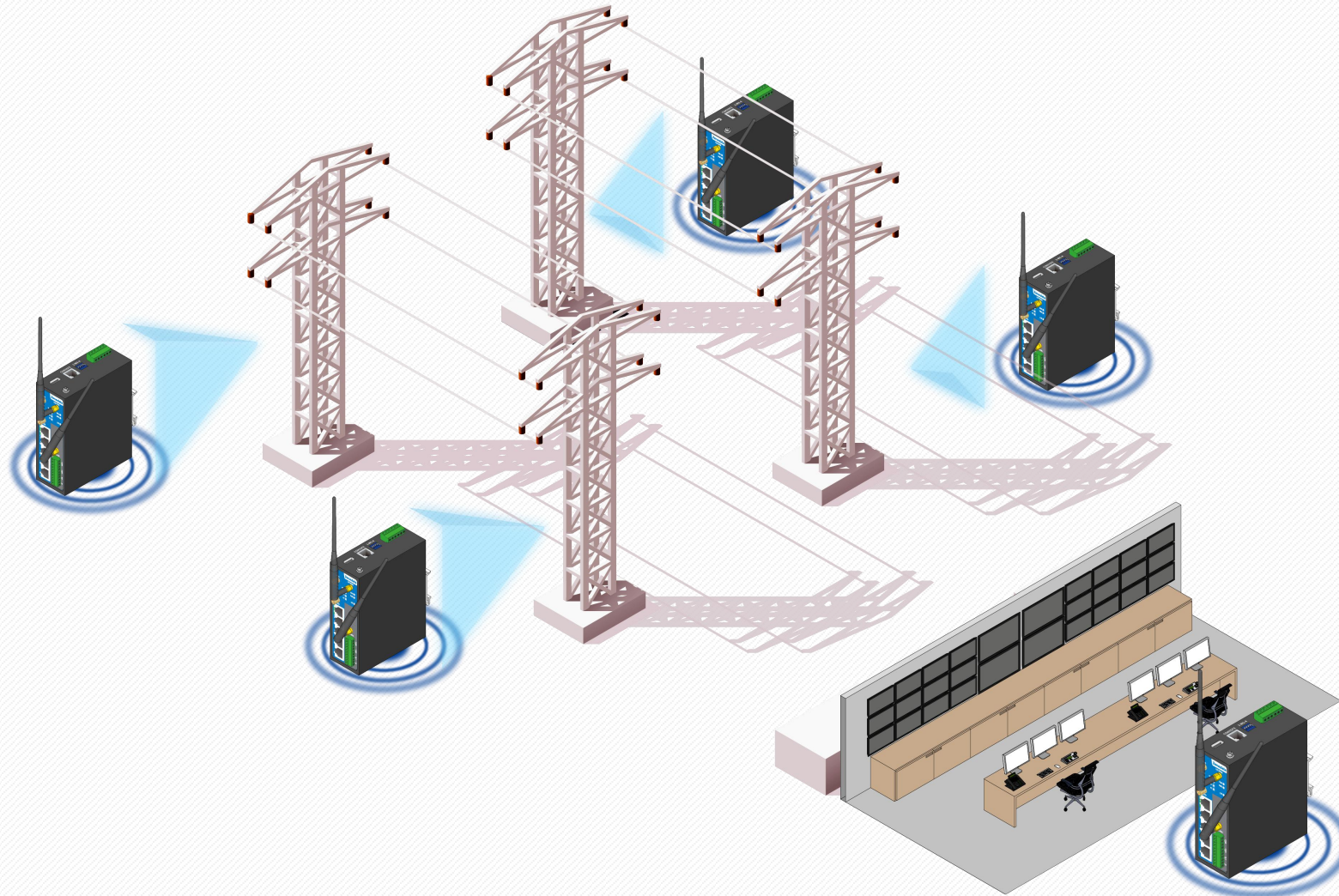
- Industrial grade design to withstand harsh environments
- Support VPN encryption to ensure data security
- Stable and reliable network data transfer
- Dual-SIM-card design supports multiple carrier networks and ensures sequential transmission



Tourist Train

- Support VPN encryption to ensure data security
- Industrial grade design to withstand harsh environments
- Stable network data transfer
- 4G/3G/2G seamless switch

Tower Communication System



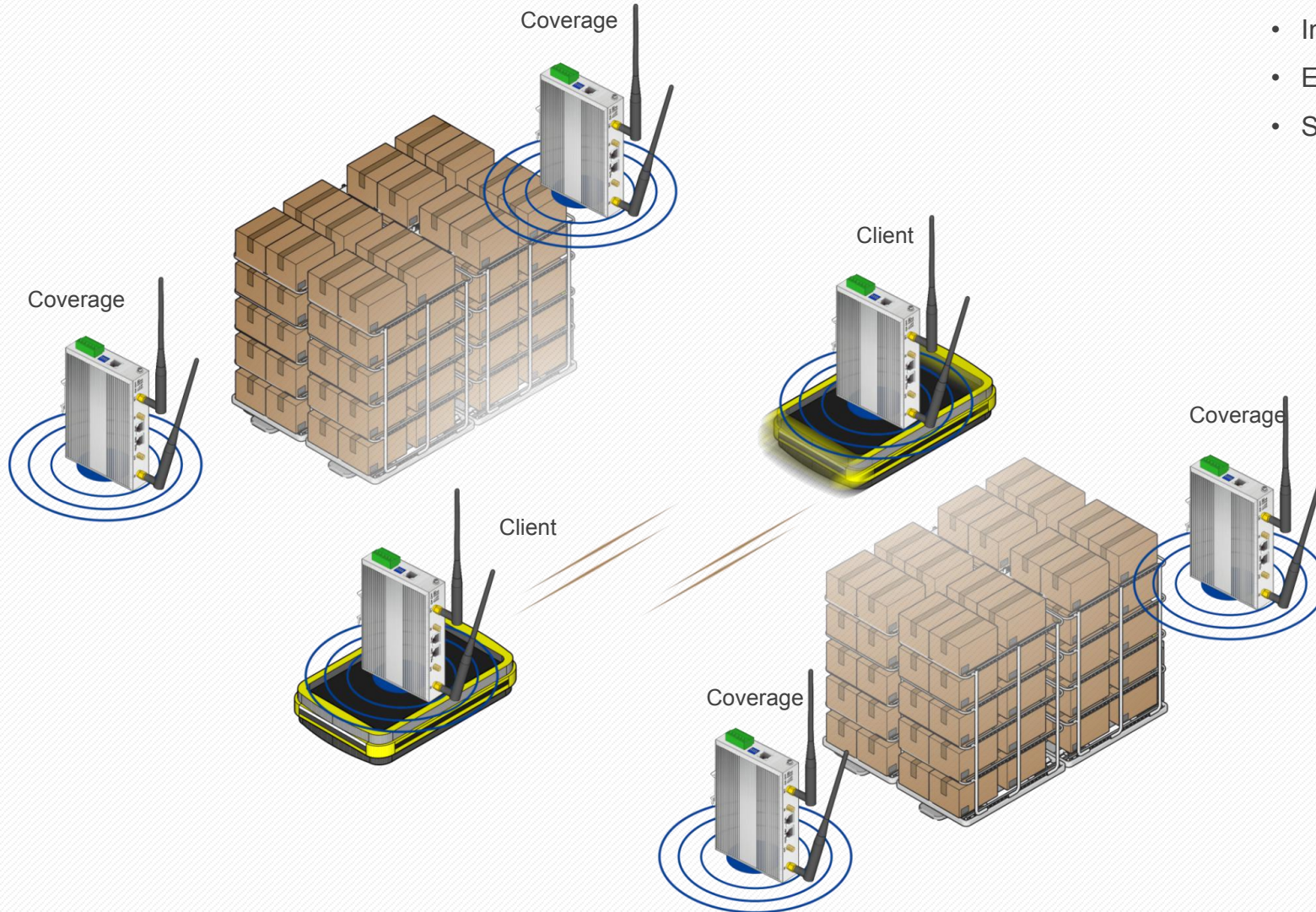
- High protection to withstand harsh environments
- Long distance transmission with less wiring
- Industrial-grade reliability
- Support multiple data source

Recommend Product



IRT5300-AW-5T2D
DIN-rail Industrial 4G Router

Intelligent Robot System



- Industrial-grade reliability
- Exclusive use of warehouse AGV and WIFI coverage
- Support seamless roaming

Recommend Product



IAP2300R
Industrial Wireless AP

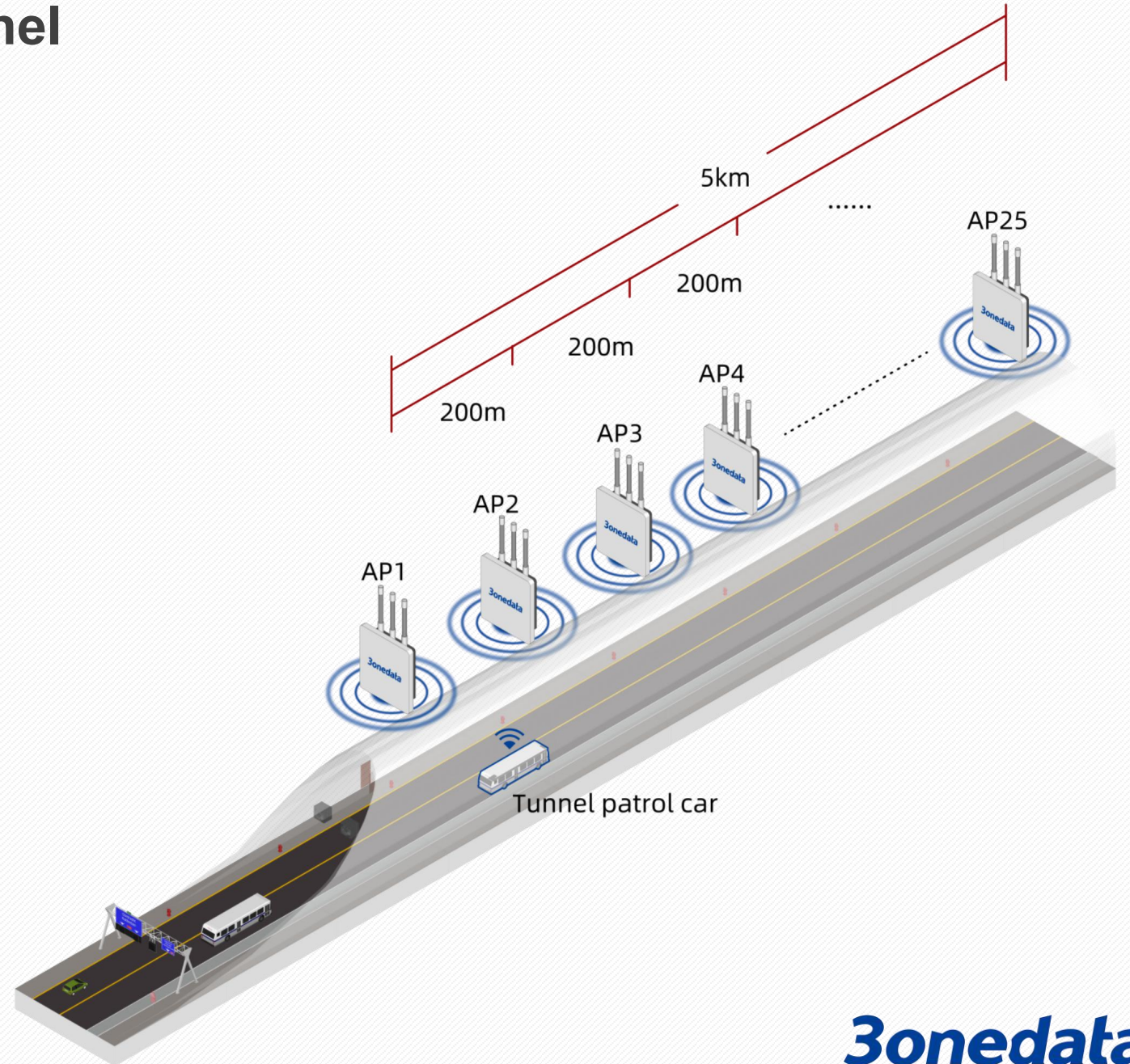
WIFI Coverage System in Tunnel

- High protection to withstand harsh environments
- Wireless transmission with less wiring
- Industrial-grade reliability
- Support fast roaming

Recommend Product



IAP2600S-4A25
Wall-mounted / Pole-mounted
Industrial Outdoor Dual-band Wireless AP



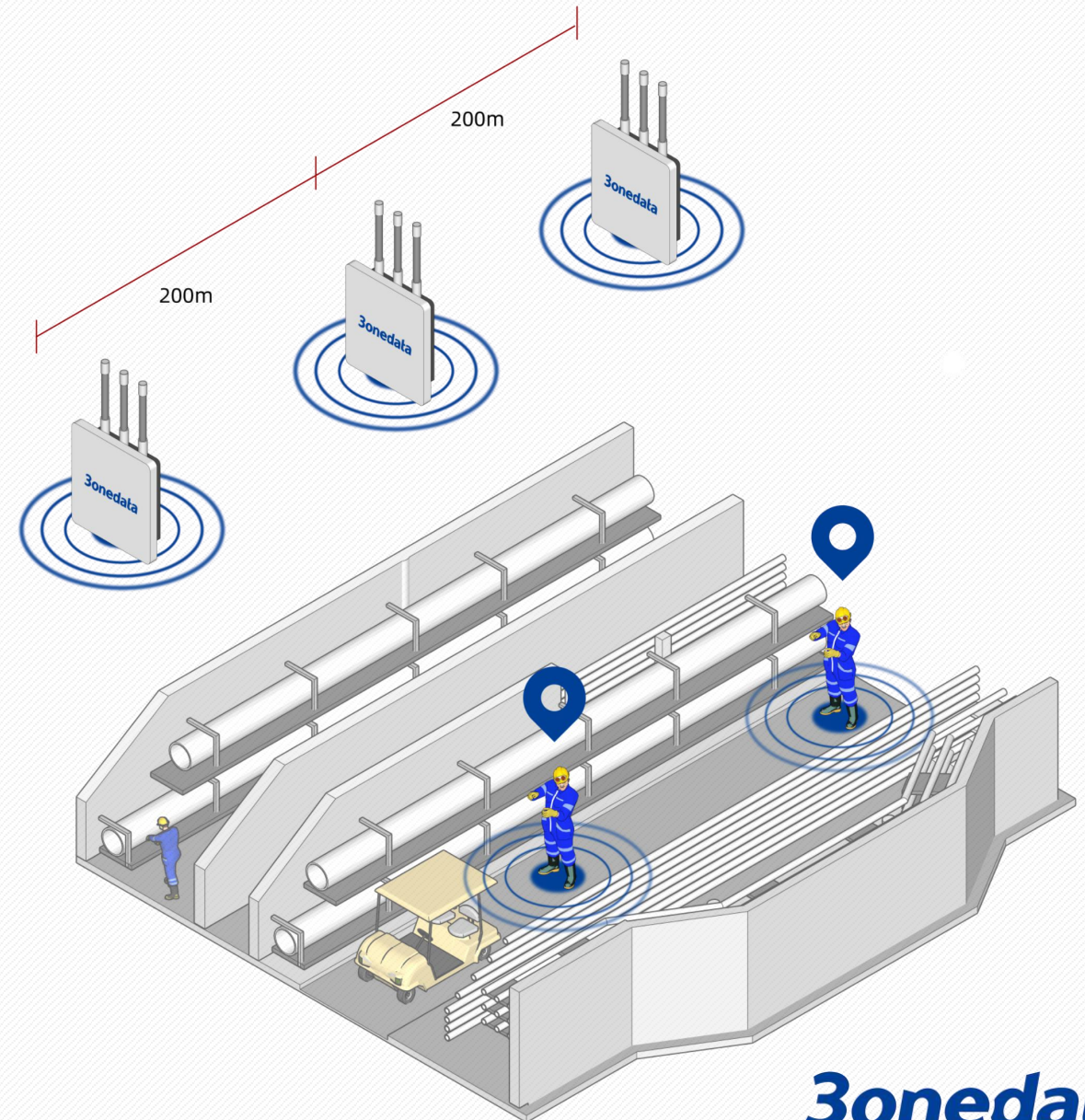
Utility Tunnel Personnel Positioning System

- High protection to withstand harsh environments
- Wireless transmission with less wiring
- Industrial-grade reliability
- Support fast roaming

Recommend Product



IAP2600S-4A25
Wall-mounted / Pole-mounted
Industrial Outdoor Dual-band Wireless AP



Thank you !

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