



OT-RG-AP820(V2) Wireless Acess Point Datasheet





Product Highlights

- Tolly Certified Performance & Capacity
- Max 2.4Gbps by selectable Dual-Band Design (2.4G + 5G or 5G+5G)
- Max 1024 Client connections
- OFDMA, MU-MIMO and BSS Technology for minimal wireless signal interference
- Al Wireless Optimization: one-click optimization powered by Ruijie Cloud technology
- **Hybrid Management:** support standalone AP to over thousands of APs with deployment options of appliances, private cloud or public cloud service
- Mobility Management: Free mobile app available for OT-RG-MACC-Base private cloud or O-Tech Public Cloud customers

Product Overview

OT-RG-AP820(V2) is the O-Tech's highest price-performance entry Wi-Fi 6 enterprise indoor access point. Certified by Tolly's latest Test Report¹, the OT-RG-AP820(V2) verified on user capacity upto 1024 Wi-Fi clients, and provide upto 65% higher total throughput in legacy Wi-Fi 5 environment.

The O-Tech OT-RG-AP820(V2) supports selectable dual-band dual-radio (2.4G + 5G or 5G+5G) mode to guarantee for the best compatibility and highest performance. Maximum of 2.4Gbps wireless throughput when dual 5G radio high-performance mode adopted, and upto 1.775Gbps throughput at normal 2.4G+5G mode. The OT-RG-AP820(V2) fully comply with Wi-Fi 6 OFDMA Modulation, MU-MIMO, and BSS Color Spatial Reuse, allowing OT-RG-AP820(V2) guarantees minimal signal interference and a maximum of 1024 client connections.

Additionally, OT-RG-AP820(V2) is IoT ready with integrated module of BLE, without the need of external module and additional investment. Verified by Tolly Test Report,

OT-RG-AP820(V2) providing nearly line-rate throughput at 955Mbps wireless performance by built-in Gigabit uplink port.

Upon the uprising challenges of management efficiency and wireless security, all O-Tech enterprise APs support hybrid management mode. Either deployed as standalone AP (Fat mode) or managed AP (Fit mode), the AP will detect the operation mode automatically without extra effort on firmware upgrade. For additional security and operation, we recommend the enterprise customers to choose either one of the below wireless controller options depending on the functionality and capacity:

• **Public Cloud: Ruijie Cloud** – O-Tech Public Cloud service (powered by OT-RG-MACC) is targeted for the SME segment with integrated captive portal, authentication (such as PPSK for employees, Facebook, voucher, account, etc.), and reporting features. Together with O-Tech Cloud Mobile App (free download), SME customers can provision and manage their networks at fingertips.

Note:

¹ Source: Tolly Test Report #220111 February 2020, O-Tech Wi-Fi 6 WLAN Access Point Comparative Performance Evaluation vs. HPE Aruba, Huawei, and Ruckus



• Hybrid Cloud: OT-RG-WS6000 Series Wireless Controller (on-premises) Plus Cloud Management (Optional) – targeted for enterprise office and campus with single or multiple sites and high-density AP deployment. The controller appliances are installed at the customer's site with fully integrated wireless management and authentication feature, supporting up to 5000 APs per cluster. Optionally, the cloud management platform allows for value-added features like centralized device configuration and monitoring, AI radio (RF) optimization, reporting, etc. • **Private Cloud: OT-RG-MACC Software Controller** – targeted for ISP/MSP, government, or multi-national corporation (MNC) with diverse customer sites and demand on integration of their billing, portal and security systems. The OT-RG-MACC supports unified device management, not only for wireless access points, but also switches and gateway devices.

Product Features

New Stylish Design

The O-Tech OT-RG-AP820(V2) applies Ruijie new style diamond square design with only 26mm in height. The APs feature an integrated antenna design and hidden LAN port along with hidden cabling to hide the messy wires, which gives a professional and simplistic deployment style that is less noticeable.



OT-RG-AP820-L (V2) designed with slim form factor design, only 26mm in height (Left); Hidden LAN Port design (right)

Wi-Fi 6 Technology

1024-QAM High-speed Access

The OT-RG-AP820(V2) adopts the dual-radio dual-band design and 2G+5G is recommended. With the next-generation 802.11ax for 5G, the maximum access rate can reach 4.8Gbps. If dual-radio is enabled concurrently, the high-speed Wi-Fi can reach 5.2Gbps, offering the true high-speed experience.

OFDMA High-density User Access

The OT-RG-AP820(V2) supports OFDMA of 802.11ax, which divides the WLAN channel into a plurality of narrower subchannels, with each user occupying one or more subchannels. By scheduling multiple users to receive and send packets concurrently via the AP, user competition and back-off can be reduced, thereby reducing network latency and improving network efficiency. In a high-density deployment environment, the average rate per user is increased to four times of 802.11ac.

Bi-Directional MU-MIMO

Compared with the previous Wi-Fi 5 (802.11ac) with only downlink MU-MIMO support, Wi-Fi 6 supports both uplink and downlink MU-MIMO (multi-user, multiple-input and multipleoutput). Therefore, O-Tech OT-RG-AP800 | Series access points can connect clients simultaneously, significantly improving the wireless performance and experience.

TWT (Target Wake Time)

Target wake time (TWT) is used to help minimize contention between clients and reduce the amount of time a client in power save mode to be awake. Energy consumption is reduced by up to 70% of the battery consumption, thereby improving battery life.

Spatial Reuse with BSS Color

The OT-RG-AP820(V2) supports spatial reuse with basic service set (BSS) color of 802.11ax to identify the BSSs of different WLANs in the network by different coloring (BSS color), and



further divide them into internal and external BSS. Different packet receiving and sending thresholds can be maintained. When receiving packets, BSS coloring is used to quickly identify the packet of the external BSS. If the signal strength is lower than the receiving threshold of the external BSS, the packet will be ignored. The transmission of the internal BSS packet will be not affected. This technology can implement channel reuse in a high-density scenario, greatly reducing the impact of co-channel interference for the actual network deployment.

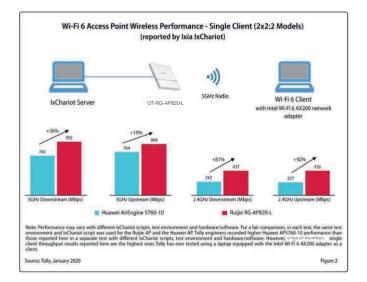
Tolly Certified Capacity & Performance²

Verified Wireless Performance

O-Tech OT-RG-AP820(V2) is a cost-effective Wi-Fi 6 AP which supports 2x2 MIMO on both 5GHz and the 2.4GHz radio." quoted in the Tolly Report. From latest Tolly Test Report,

OT-RG-AP820(V2) 5GHz radio delivered 955Mbps downstream, throughput. OT-RG-AP820(V2)'s 2.4GHz radio delivered 424Mbps downstream throughput or 433Mbps upstream throughput.

O-Tech OT-RG-AP820(V2)'s results are higher than Huawei's comparable AP AirEngine 5760-10's results in the same test conditions.



Tolly Test Report on O-Tech OT-RG-AP820(V2) (Wi-Fi 6) Single Client Performance versus Huawei AP AirEngine 5760-10

Note:

 2 Source: Tolly Test Report #220111 February 2020, Ruijie Wi-Fi 6 WLAN Access Point Comparative Performance Evaluation vs. HPE Aruba, Huawei, and Ruckus

Guarantee User Capacity

From latest Tolly Test Report, Tolly engineers verified Ruijie Wi-Fi 6 AP800 Series each supported upto 1024 Wi-Fi clients/ users on one AP with 512 Wi-Fi clients/users on each radio.

| | User Capacity |
|-------------------|---|
| OT-RG-AP880-I | 1,024 |
| OT-RG-AP850-I(V2) | 1,280 (the largest capacity test that Tolly has run to the test date) |
| OT-RG-AP840-I | 1,024 |
| OT-RG-AP820-L | 1,024 |

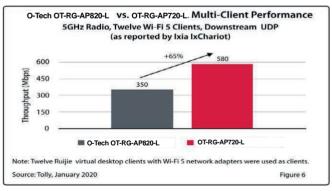
Tolly Test Report on Ruijie Wi-Fi 6 AP800 Series User Capacity

Performance Boost in Wi-Fi 5

Understanding Wi-Fi 6 still new in the market, majority mobile devices only support Wi-Fi 5. We invited Tolly to do a evaluation on O-Tech's Wi-Fi 6 OT-RG-AP820(V2) whether there are improvement in Wi-Fi 5 user environment.

Result below show that OT-RG-AP820(V2) provide 65% higher total throughput than the OT-RG-720-L (Wi-Fi 5 Wave 2) access point in legacy Wi-Fi 5 environment.

"Ruijie's Wi-Fi 6 APs are not only future-proof but also able to provide instant improvement over the Wi-Fi 5 APs" commented by Tolly engineers in the report.



Tolly Test Report on O-Tech OT-RG-AP820(V2) Performance in Wi-Fi 5 environment



Wi-Fi 6 Equipment For All Scenarios: Always One Option Fit For You

O-Tech is one of the leading enterprise networking suppliers worldwide and committed to providing the best Wi-Fi experience to our stakeholders. We are the first supplier to provide full-scenario Wi-Fi 6 access point solution in the market, ranging from indoor, wall plate to outdoor access points, guaranteeing perfect wireless experience in various situations.



- 1-click Analysis and Wireless Optimization
- Scheduling Task for Optimization
- Smart mobile apps for optimization
- · Report for optimization improvement
- and it is FREE!

| < Speed Test MySecretChannel01_5G | < Optimization |
|---|---|
| Good | 83 |
| ⑦ Security 5 stars | |
| Speed Can not access the Internet Download Speed 0.0www DVD HD Super-HD BLU-RAY | Scheduled Optimization () Network Timezone: (GMT+7: 00)Asia/Jakarta 2020-05-04 16: 26 |
| Signal Strong More -100dBm -0dBm Weak Normat Cood Strong -410Bm | The network will be optimized to grootde a better experience for you. Please ensure all APs are online before start. () Note: 1. RRM will last for about 10min and STAs may go offline. It recommended to avid bury hours. 2. If the system is bury with channel adjustment or AP Radiu adjustment, please bry again later. |
| Powered by Auge Moho App | wywarnens prawa sy ugun taka. |
| Test Again | Save |
| | |

Ruijie Cloud App for Wi-Fi Inspection (Left) & Wireless Optimization (Right)

AI Wireless Optimization

With advent of O-Tech Cloud AI Engine, this is an Lifetime Free service for all O-Tech Enterprise AP for WiFi optimization on the cloud. Not just the Cloud Managed AP, Ruijie Cloud also seamlessly integrated with O-Tech hardware Wireless Access Controller (AC) on premise, it helps to streamline Wi- Fi maintenance and operation support. With O-Tech Cloud AI Wireless Optimization you can achieve:



O-Tech Cloud AI Wireless Optimization

As part of the Ruijie Cloud solution, Ruijie Cloud App is a mobile App designed to carry out Ruijie managed device management at your fingertips. Comprehensive monitoring, configuration and troubleshooting tools including Network Inspection, 1-click Optimization, Device Topo, etc. are available in the O-Tech Cloud App, which can be freely downloaded from the iOS App Store and Google Play.

Industry-leading Local Forwarding Technology

Employing an industry-leading local forwarding technology, the OT-RG-AP820(V2) breaks through the limitation of traffic bottleneck of wireless controllers. In collaboration with the OT-RG-WS Wireless Controller Series, users can flexibly preconfigure the data forwarding mode for OT-RG-AP820(V2) The AP also controls whether the data will be forwarded via the wireless controller according to the SSID or user VLAN, or directly sent to the wired network for data exchange.



The local forwarding technology can classify and forward delay-sensitive data which requires real-time transmission through the wired network to greatly alleviate the traffic pressure on the wireless controllers and better meet the high traffic transmission requirements of the 802.11ax network.

Abundant QoS Policies

The OT-RG-AP820(V2) supports a wide variety of QoS policies. For example, it provides WLAN/AP/STA-based bandwidth limitations and Wi-Fi multimedia (WMM) which defines different priorities for different service data. The OT-RG-AP-820(V2) realizes timely and quantitative transmission of audio and video, and guarantees smooth operation of multi-media applications.

With the multicast-to-unicast technology, the OT-RG-AP820(V2) resolves the video lagging problem due to packet loss or high latency in the wireless network, and highly enhances user experience of the multicast video services of wireless network.

Comprehensive Security Protection

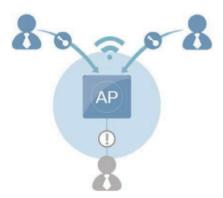
Secure User Access

The OT-RG-AP820(V2) supports a wide range of authentication methods such as web, 802.1x, PPSK (one-time dynamic password for staff), voucher/ access code, user account, and social authentication³. Complying with the standard network access control, it offers a set of control policies in terms of user access, authorization, equipment compliance check, network behavior monitoring, network attack prevention, etc. All these control features guarantee high network security for authenticated users.



Various enterprise authentication options for guests and employees

Personal Pre-shared Keys (PPSK)



Simple and Effective Wireless Security Practice

Traditional Pre-shared Keys (PSK) are shared by all users on a WLAN, giving it potential risk of PSK leak-out.

O-Tech Personal PSK (PPSK) is an easy-to-setup wireless authentication method with enterprise-grade security level. Credentials can be created and revoked individually. Each PPSK can also be tied to a unique user/ machine.

With PPSK, you can enjoy the benefits of:

- High security by using different passwords for each user and device for individual SSID
- Simple deployment with batch account creation
- Ease of use, offering the same experience as WPA / WPA2- $\ensuremath{\mathsf{PSK}}$
- Out-of-box feature in Wireless Access Controller (AC) and
- O-Tech Cloud Service
- No additional AAA required

Virtual AP Technology

With the virtual AP technology, the OT-RG-AP820(V2) supports up to 32 ESSIDs. Network administrator can separately encrypt and isolate VLANs or subnets of the same SSID, thereby enabling specified authentication mode and encryption mechanism for each SSID.

Comprehensive Wireless Protection

Coupled with OT-RG-WS6000 Series or OT-RG-MACC Wireless Controllers, the OT-RG-AP820(V2) offers a breadth of security features including WIDS (Wireless Intrusion Detection System), RF interference tracking, rogue AP containment, anti-ARP spoofing, DHCP protection and beyond for allaround security protection.



 3 O-Tech Cloud service is required for guest authentication such as Captive Portal, Voucher, Account, Social authentication, etc.



Hybrid Management

Flexible Management Options

All O-Tech enterprise APs support hybrid management mode. Either deployed as standalone AP (Fat mode) or managed AP (Fit and MACC mode), the AP will detect the operation mode automatically without extra effort on firmware upgrade. For additional security and operation, we recommend the enterprise customers to choose either one of below wireless controller options depending on the functionality and capacity:



Below are the summarized feature highlights for various O-Tech management system options which target for specific industry segments:

| Category | Standalone AP | Hardware Controller (OT-RG-WS6000) | Public Cloud | Private Cloud (RG-MACC Base) |
|----------------------------|---------------|--|--|------------------------------------|
| Target Segment | Small Office | Enterprise, Education, Large Campus | Small & Medium Business, Managed Service Provider | Operator, Gov |
| Deployment Mode | On-premises | On-premises | Cloud Service | Software- based |
| Device Capacity | N/A | Up to 5000 | Virtually Unlimited | Virtually Unlimited |
| Unified Management | N/A | AP only | AP, Switch, Gateway | AP, Switch, Gateway |
| Radio Optimization | N/A | Y (required to enable AC Hybrid Mode) | Y | Y |
| Employee Authentication | Basic PSK | PSK, PPSK, 802.1x | PSK, PPSK, 802.1x, Access Code, Account | PSK, PPSK, 802.1x |
| Guest Authentication | Basic PSK | Basic Captive Portal | Captive Portal (Customized), Social Login, Voucher | Basic Captive Portal |
| Reporting | N/A | N/A | Y | Y |
| Mobile App (Free) | N/A | Y (required to enable AC Hybrid Mode) | Υ | Υ |

Note:

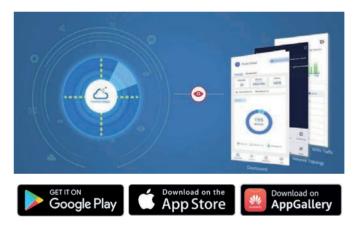
⁴ O-TechCloud mobile app is compatible with Ruijie Cloud service, OT-RG-MACC or OT-RG-WS6000 Series wireless controller

Web and CLI Management Interface

The OT-RG-AP820(V2) provides both web and command-line interface (CLI) for the AP and wireless controller, suitable for application in different scenarios. CLI design allows the networking professionals to perform fast troubleshooting, bulk configuration import or modification. Web GUI mangaement should be perfect for the majority of general scenarios to plan, operate and maintain the wireless network without the need of customization.

Mobile Monitoring and Optimizing

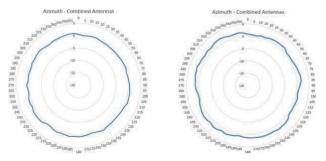
O-Tech is committed to providing more simple networking experience for customers by launching a free mobile app⁴ (namely O-Tech Cloud) for unified device lifecycle managmeent, which is not only for O-Tech access points, but also for switches and security gateways, from provisioning, monitoring, configurations to optimization. For details, please visit our official website at www.terzian.com.br



Antenna Patterns

Horizontal planes (top view)

Below are the OT-RG-AP820(V2) 2.4GHz and 5GHz azimuth antenna patterns:

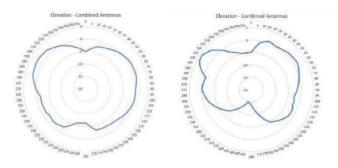


OT-RG-AP820(V2) 2.4GHz (Left) and 5GHz (Right) Azimuth Antenna Patterns



Vertical (elevation) planes (side view, AP facing down)

Below are the OT-RG-AP820(V2) 2.4GHz and 5GHz elevation antenna patterns:



OT-RG-AP820(V2) 2.4GHz (Left) and 5GHz (Right) Elevation Antenna Patterns

Warranty Information

The O-TechOT-RG-AP820(V2) Access Point come with 3 year warranty. For more details, please visit www.terzian.com.br

Technical Specifications

| Model | OT-RG-AP820(V2) |
|-------------------------|---|
| Hardware specifications | |
| Radio | Dual-radio dual-band: Radio 1: 2.4G 11ax/5G 11ax: 2×2 MIMO Radio 2: 5G 11ax: 2x2 MIMO |
| Protocol | Supports standard 802.11ax, dual-radio dual-band, concurrent 802.11ax and 802.11a/b/g/n/ac |
| Operating Bands | 802.11b/g/n/ax: 2.4G ~ 2.483GHz 802.11a/n/ac/ax: 5.150~5.350GHz, 5.47~5.725GHz, 5.725~5.850GHz (vary depending on different countries) |
| Spatial Streams | Up to 4: 2x2:2 in 2.4GHz , 2x2:2 in 5GHz |
| Max Throughput | Maximum throughput (5G+5G mode) per AP: 2.4Gbps Radio1: 5G low band 1.2Gbps Radio2: 5G high band 1.2Gbps 2.4G+5G operation mode, maximum throughput per AP: 1.775Gbps Radio1: 2.4G 0.574Gbps Radio2: 5G 1.2Gbps |
| Modulation | OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps DSSS: DBPSK@1Mbps, DQPSK@2Mbps, and CCK@5.5/11Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM OFDMA (up to 1024-QAM) |
| Receiver Sensitivity | 11b: -96dBm (1Mbps), -93dBm (5Mbps), -89dBm (11Mbps) 11a/g: -91dBm (6Mbps), -85dBm (24Mbps), -80dBm (36Mbps), -74dBm (54Mbps) 11n: -90dBm (MCS0), -70dBm (MCS7), -89dBm (MCS8), -68dBm (MCS15) 11ac HT20: -88dBm (MCS0), -63dBm (MCS9) 11ac HT40: -85dBm (MCS0), -60dBm (MCS9) 11ac HT80: -82dBm (MCS0), -57dBm (MCS9) 11ax HT80: -82dBm (MCS0), -57dBm (MCS9), -52dBm (MCS11) |
| Antenna | Integrated antenna design |



| | Model | OT-RG-AP820(V2) | |
|------------------|--|---|--|
| Antenna Gain | | 2.4G: 3dBi 5G: 3dBi | |
| Service Ports | | 1 10/100/1000M Ethernet ports, PoE In | |
| Management Port | | 1 console port | |
| Reset Button | | Support | |
| Anti-theft Lock | | Support | |
| LED Indicator | | 1 LED indicator (Support red, green, blue, orange and flashing mode, which indicates device access) | |
| Transmit Powe | r | ≤100mw (20dBm) (vary depending on different countries) | |
| Adjustable Pov | ver | 1dBm | |
| Power Supply | | Local power supply (DC 48V/1A) (DC Power adapters should be purchased from third-party vendors separately if needed.) PoE (802.3af) – full spectrum operation | |
| Power Consum | nption | <12.95W | |
| Physical Speci | fications | | |
| Temperature | | Operating Temperature: -10°C to 50°C | |
| remperature | | Storage Temperature: -40°C to 70°C | |
| Humidity | | Operating Humidity: 5% to 95% (non-condensing) | |
| Humidity | | Storage Humidity: 5% to 95% (non-condensing) | |
| Installation Mod | de | Ceiling/wall-mountable | |
| Dimensions (W | / x D x H) | 153mm x193mm x26mm (Height of the AP only, excluding the mount kit) | |
| Weight | | ≤0.5kg (include mount kit) | |
| IP Rating | | IP41 | |
| Certifications a | nd Compliance | | |
| Wi-Fi Alliance | | Wi-Fi CERTIFIED™ a, b, g, n, ac Wi-Fi CERTIFIED 6™ WPA3™-Enterprise, Personal Wi-Fi Enhanced Open™ Wi-Fi Agile Multiband™ WMM® | |
| Safety Standar | d | GB4943, EN/IEC 62368-1 | |
| EMC Standard | | GB9254, EN301 489 | |
| Radio Standard | b | SRRC, EN300 328, EN301 893 | |
| Software Speci | ifications | | |
| | Maximum clients per AP | 1024 | |
| | BSSID capacity | Up to 32 | |
| WLAN | SSID hiding | Support | |
| | 5G Priority (Band Steering) Configuring the authentication mode, encryption mechanism and VLAN attributes for each SSID | Support Support | |



| | Model | OT-RG-AP820(V2) |
|-------------------|--|---|
| | Remote Intelligent Perception Technology (RIPT) | Support |
| | Intelligent device recognition technology | Support |
| | Intelligent load balancing based on the number of users or traffic | Support |
| | STA control | SSID/radio-based |
| | Bandwidth control | STA/SSID/AP-based bandwidth control |
| | Data encryption | WPA (TKIP), WPA-PSK, WPA2 (AES), WPA3, WEP (64/128 bits) |
| | PSK and web authentication | Support |
| WLAN | PPSK authentication (For Employee) | Support (require wireless controller) |
| | 802.1x authentication | Support |
| | PEAP authentication | Support |
| | Data frame filtering | Whitelist, static/dynamic blacklist |
| | User isolation | Support |
| | Rogue AP detection and countermeasure | Support |
| | Dynamic ACL assignment | Support |
| | RADIUS | Support |
| | CPU Protection Policy (CPP) | Support |
| | Network Foundation Protection Policy (NFPP) | Support |
| | IPv4 and IPv6 address | Support |
| IP | Multicast routing | Multicast to unicast conversion |
| | DHCP service | DHCP Snooping, Option 82, Server, Client |
| | Supported wireless LAN controllers | O-Tech WS Series Wireless Controller O-Tech MACC-Base Software Controller O-Tech Cloud (Public Cloud) |
| | Management protocol | Telnet, SSH, TFTP, Web |
| Management and | Wireless Intelligent AI Optimization Service (WIS) | Support |
| Maintenance | SNMP | SNMPV1,V2c,V3 |
| | LLDP | LLDP, LLDP-MED, LLDP-POE |
| | Syslog / Debug | Support |
| | FAT/FIT/MACC mode switching | Factory default firmware supports FAT (standalone) or FIT mode (WS controller) or MACC mode (Ruijie MACC-Base or Ruijie Cloud) management |



Application Scenarios

Public Cloud for SMEs

With O-Tech Public Cloud Service adoption, the O-Tech AP800 Wi-Fi 6 series access point is perfect for various SME scenarios including small offices, boutique hotel, retail store and etc. O-Tech Cloud is the only vendor offering Enterprise Cloud at Lifetime FREE, which significantly streamline the IT operational efficiency, as well as reducing the Wi-Fi deployment complexity with cost effective approach for SMEs. The O-Tech Cloud service provide equipment deployment, monitoring, network optimization and operational lifecycle management; enabling customers with simple plug and play deployment and operation and maintenance. Meeting the needs for automatic cloud RF planning and user experience monitoring, it also supports mobile monitoring and alert, and fast provisioning by QR-Code scanning. At the same time, it provides flexible wireless user access control features, including high security "One person, one machine and one password" PPSK, built-in cloud Portal and Facebook social login.

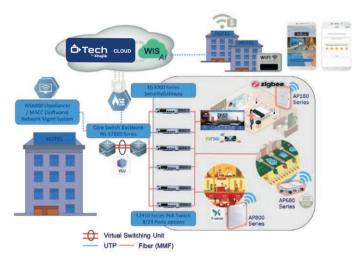


Key Features:

- Unified Device Management
- Fast Provisioning by Mobile APP
- Secure PPSK Authentication for Staff
- Captive Portal & Social Authentication for Guest
- Mobile APP Monitoring & Alert

Hybrid Cloud for Enterprise & Campus

For enterprise office and campus with single or multiple sites and high-density AP deployment, O-Tech OT-RG-WS6000 Series Wireless Controllers (on-premises) plus cloud management (optional) is recommended. The wireless controller appliances are installed at the customer's site with fully integrated wireless management and authentication feature, supporting up to 5000 APs per cluster. Optionally, the cloud management platform allows for value-added features like centralized device configuration and monitoring, AI radio (RF) optimization, reporting, etc.



Solution Benefits:

- Support centralized device management and reporting service by O-Tech Cloud (optional)
- Support ultra-seamless roaming management
- Support one-click AI radio (RF) optimization powered by WIS engine
- High performance and security with all user authentication and traffic forwarding handled locally
- Support flexible authentication options, such as 802.1x, PPSK employee authentication, guest hotspot and voucher access code, etc.
- Support all series of O-Tech wireless access points



Ordering Information

| Model | Description |
|-------------------|--|
| OT-RG-AP820-L(V2) | Wi-Fi 6 (802.11ax) indoor wireless access point, selectable dual-band (5G+5G or 2.4G+5G), up to 4 total spatial streams and maximum 2.4Gbps wireless throughput, 1 10/100/1000BASE-T uplink port, integrated with BLE, support PoE and local power supply; Bundled with Ruijie Cloud Service lifetime license (PoE adapters are sold separately, which could be purchased from Ruijie while DC Power adapters should be purchased from third-party vendors separately if needed) |
| OT-RG-120(GE) | 1-port PoE adapter (1000Base-T, 802.3af) |





