



FWA

4 Y 5G

Are you familiar with FWA technology?

5G FWA (Fixed Wireless Access) technology is a way to provide high-speed broadband internet access using the 5G cellular network, instead of physical cables like fiber optics or DSL.



How does it work?

In 5G FWA, data is transmitted wirelessly between a cellular network base station (a cell tower) and a receiving device (called a CPE - Customer Premises Equipment) installed in the user's home or business. This CPE converts the 5G signal into a Wi-Fi or LAN connection so that internal devices can use it.



Characteristics of this technology

Speed and latency: One of the main advantages of 5G FWA is that it can offer speeds comparable to fiber optic connections, especially in urban areas with good 5G coverage. Furthermore, 5G technology provides low latency, which is crucial for applications that require fast responses, such as online gaming or video calls.

Alternative to fiber: 5G FWA is presented as a competitive and cost-effective alternative to wired connections, especially in areas where installing fiber optics is unfeasible, expensive, or time-consuming (for example, in rural areas or areas with poor infrastructure).

Rapid Deployment: Unlike installing fiber cables, which can be a lengthy and costly process, 5G FWA can be deployed and activated quickly, allowing service providers to reach new customers and generate revenue in less time.

Leverage existing infrastructure: 5G FWA can utilize existing 5G cell tower infrastructure, reducing the need for large investments in new cabling infrastructure.

Key highlights



Fast and Stable

High speed and low latency.



Wireless freedom

No physical cabling infrastructure required.



Cost-effective

Affordable solutions with lower initial investment.



Fast deployment

Installation in days, not months.



Easy to install

Client-side equipment (CPE) can be self-installed in many cases.



Bridging the digital divide

Allows high-speed internet to be brought to underserved or rural areas.





Differences from fiber optic networks:

Although 5G FWA offers impressive speeds, it is important to emphasize that fiber optics remain the most robust and reliable option in terms of symmetrical speed (same upload and download speed), stability, and the ability to handle a high density of users without congestion. However, 5G FWA is an excellent solution for bridging the digital divide and providing broadband access where fiber is not feasible or economical.

In short, 5G FWA is a wireless broadband solution that leverages the potential of 5G networks to deliver high-speed internet to homes and businesses, making it an especially attractive option in locations where deploying wired infrastructure is challenging.

Global Band CPE, CBRS available, IP67

4G CAT15 OUTDOOR



ARTIC TECH

Characteristics

- High gain antenna.
- NAT/Bridge/Router mode.
- Web/TR069/SNMP management.
- Category 15 High-speed data services.
- Band Lock/EARFCN Lock/PC!Lock/SIM Lock.
- UL 64QAM/DL 256QAM
- UL 2CA/DL 4CA
- IPv6/IPv4 dual stack.
- IP67 protection.
- Multi-APN
- Strong harsh environment resistance.
- Support global bands.
- High gain directional antenna, CBRS up to 19.5dBi
- Rich router function sembedded.
- Combine with Wi-Fi5 router to get outdoor and indoor coverage.

AT-2LO

4G/5G OUTDOOR ROUTER



Characteristics

- AT-2LO Cellular outdoor router is a wireless communication product developed based on 4G LTE/5G network requirements.
- Supports 4G LTE/5G.
- The maximum downlink bandwidth of 4G LTE is 300Mbps~600Mbps, and the maximum uplink bandwidth is 50Mbps~150Mbps.
- Or support 5G NSA.
- Up to 2.5Gbps (DL)/650Mbps (UL), 5G.
- The equipment is designed to meet waterproof and dustproof requirements.
- Wireless Mobile Broadband 2G/3G / 4G LTE Connection.
- Wireless Mobile Broadband 3G / 4G/5G Connection.
- Supports 4G LTE CAT 6, CAT 12 or 5G high speed internet access.

AT-5LO

5G OUTDOOR ROUTER



Characteristics

- AT-5LO Cellular outdoor router is a wireless communication product developed based on 3G/4G LTE/5G network requirements.
- Supports 3G/4G LTE/5G global frequency bands.
- Supports 3G/4G LTE/5G internet high speed access.
- Support 5G NSA.
- Up to 3.4Gbps (DL)/600Mbps (UL) of NSA mode.
- 5G SA maximum 2.4Gbps (DL)/1Gbps (UL) access bandwidth service.
- 1 Gigabit Ethernet ports.
- Waterproof and dustproof requirements.
- Protection class IP65.
- Meets the requirements of 5KA lightning protection.

AT-W1LO-IP65

CPE 4G OUTDOOR



Characteristics

- Outdoor 4G router compatible with global LTE 2G/3G/4G networks.
- Theoretical maximum speed: 150 Mbps (DL) / 50 Mbps (UL).
- IP65 protection and 5kA lightning resistance.
- Optional 2.4 GHz Wi-Fi for up to 30 users.
- 3G/4G LTE wireless data transmission.
- Supports global frequency bands.
- Automatic networking and dialing when powered on.
- Built-in watchdog, self-recovery from system crash.
- 3G/4G LTE full-band high gain antenna: 10DBi
- 2 * LAN ports.
- Built-in communication protocols. PPTP, L2TP, IPSEC VPN, TCP, DHCP, HTTP, DDNS, TR-069, GRE, HTTPS, SSH and other protocols.
- Support local UI upgrade and remote upgrade.
- ABS plastic shell, industrial quality, waterproof, dustproof, lightning proof, grade. IP65.
- Lightning protection, level: 5KA
- Operating system: Openwrt 18.06, which supports secondary development by users.
- Operating temperature. -30°C ~ +70 °C.
- Size: 250*145*67.5 mm.

AT-W3L WiFi 6 – VOLTE

CPE 5G INDOOR



Characteristics

- 5G Sub-6GHz.
- 1* Gigabit RJ45 WAN port.
- 1* Gigabit RJ45 LAN port .
- 1* RJ11, VOLTE voice. (Optional)
- 802.11ax 2T2R 2.4GHz
- 802.11ax 2T2R 5GHz
- Temperature Range. -20°C ~ +60°C
- Dimensions. 195 * 112 * 106mm
- Power Supply. DC 12V/ 1.5A
- Operating system. Openwrt . 18.06

AT-WiFi 6

CPE 5G OUTDOOR



Characteristics

- PoE Power Supply.
- IP65+
- Resistant to rain, humidity, corrosion, and salt spray.
- Ideal for demanding outdoor deployments.

AT-WiFi 6-High Power

CPE 5G INDOOR



Characteristics

- 5G with dual-carrier aggregation.
- WiFi 6
- High signal penetration – no dead zones.
- Remote TR-069
- eSIM / Nano SIM
- MediaTek T750 chip.

AT-Wi-Fi6 High-Speed Coverage

CPE 5G INDOOR



Characteristics

- Wi-Fi 6
- 128 devices.
- Decorative design.
- SMS compatible.
- MediaTek T750 chipset.

AT-Global Band-WiFi6-VoLTE/VoIP

CPE 5G INDOOR



Characteristics

- NAT/Bridge
- Web/TR069
- UL/DL 256QAM
- IPv4/IPv6
- Release 15
- 3CA/2CA
- Mesh
- Multi-APN.

AT-IP67-ODU/IDU

CPE 5G OUTDOOR

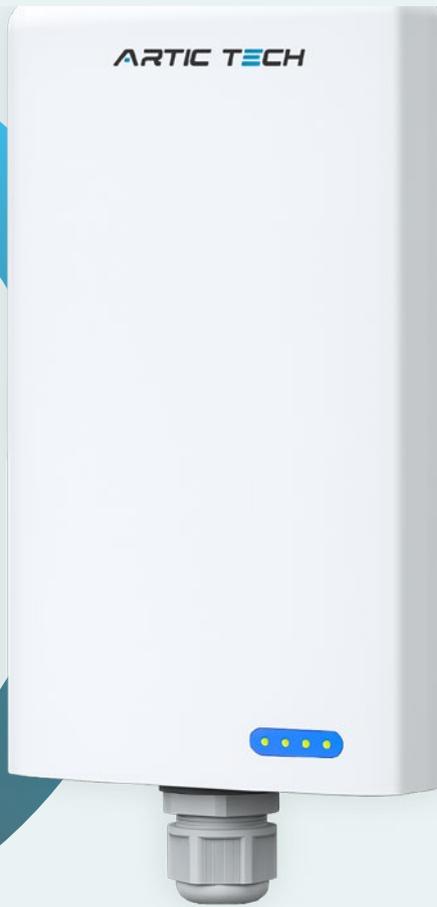


Characteristics

- WSpeed: 7.01 Gbps DL / 2.5 Gbps UL
- IP67
- PoE 802.3at/af
- Modular ODU/IDU
- 128 devices – OFDMA

AT-CAT19-IP65-CBRS

CPE 5G OUTDOOR



Characteristics

- MT750 chip
- CAT19 + NR
- High-gain directional antenna
- Assisted self-installation (App + LED)

AT-CAT19-IP67-Qualcomm

CPE 5G OUTDOOR



Characteristics

- Qualcomm SDX62 chip.
- IP67
- CBRS
- PoE 802.3at/af
- High-gain antenna up to 19.5 dBi

AT-L

4G CAT 6, CAT 12 INDOOR ROUTER



Characteristics

- W2L wireless router is a wireless communication product developed based on 4G network requirements.
- Maximum downlink bandwidth of 300Mbps~600Mbps and the maximum uplink bandwidth of 50Mbps~150Mbps.
- It supports 2 Gigabit Ethernet ports.
- Support for WIFI 2.4GHz/5GHz dual-band to meet the access and sharing needs of more than 60 user's WIFI hotspots.

AT-5L

5G INDOOR ROUTER



Characteristics

- AT-5L indoor router is a wireless communication product developed based on 3G/4G LTE/5G network requirements.
- Supports 3G/4G LTE/5G global frequency bands.
- Supports 3G/4G LTE/5G internet high speed access.
- Support 5G NSA.
- Up to 3.4Gbps (DL)/600Mbps (UL) of NSA mode.
- 5G SA maximum 2.4Gbps (DL)/1Gbps (UL) access bandwidth service.
- It supports 2 Gigabit Ethernet ports, one RJ11 telephone port, and supports VOLTE voice.
- Support WIFI 6, 2.4GHz/5GHz/6GHz Tri-band function.
- WIFI 6, AX3000 large bandwidth hotspot sharing. Meet the access and sharing of more than 32 users' WIFI hotspots.

AT-4G Pocket Wifi Sim Card With Battery



Characteristics

It is a portable 4G WiFi access point designed to provide reliable mobile connectivity anywhere. Its compact size and built-in battery make it ideal for travel, remote work, business use, outdoor activities, and daily mobility. Compatible with global 4G/3G networks, it enables secure and stable internet access, connecting multiple devices simultaneously.

- Technology: 4G LTE / 3G
- WiFi Speed: Up to 220 Mbps
- Battery: 3700 mAh – Up to 12 hours of use
- Size: 108 × 67 × 16 mm
- Weight Approx: 125 g
- Connectivity: Compatible with laptops, smartphones, and tablets (Windows / Mac / Android)
- Security: Password protection, parental control, automatic updates
- SIM: Standard SIM card slot
- Durability: Operating temperature: -10°C to 55°C
- Includes: Device, battery, USB cable, manual, and storage box
- High-speed mobile internet anywhere
- Compact and ultra-portable design for travel and daily use
- Up to 12 hours of continuous operation
- Connects multiple devices simultaneously
- Easy setup and management via web interface
- Enhanced security for personal or business use

AT-4G Portable Compact Network Mobile Wifi



Characteristics

This compact portable 4G access point offers stable mobile connectivity with an excellent cost-performance ratio. It allows unrestricted internet browsing with fast connections and support for multiple devices simultaneously. Ideal for travel, mobile offices, remote work, and personal activities.

- Portable, wireless design.
- Entry-Level 4G product – affordable and efficient solution.
- Supports multiple devices simultaneously.
- Fast and stable connection – WiFi 2×2 (up to 300 Mbps).
- USB-C interface.
- Plug & Play – one-click connection, no complex setup required.
- Certifications: CE / RoHS / FCC
- OEM / ODM support.

AT-4G Mobile Wireless Pocket Router

4G/5G READY · WIFI 6



Characteristics

This pocket-sized mobile WiFi router is designed to deliver high-speed connectivity on the go. It supports advanced 4G/5G and WiFi 6 technologies, ensuring a fast, stable, and secure internet experience for multiple devices. Its long-lasting battery and portable design make it an ideal companion for travel, remote work, corporate mobility, or personal use.

- Cellular Technology 5G LTE Cat19 (backward compatible with 4G)
- 5G Speed: Download up to 2.16 Gbps / Upload up to 900 Mbps
- WiFi 6 – IEEE 802.11 b/g/n/ax (2.4 GHz and 5 GHz)
- Multiple devices simultaneously
- Battery: 5000 mAh – Up to 10 hours of use
- Port: USB Type-C
- Built-in firewall + FOTA and local updates
- Usage: Secure mobile connectivity anywhere
- Pocket Router – portable and wireless
- High-speed 5G for browsing, streaming, and remote work
- Compatible with 4G/5G devices and WiFi 6
- Extended battery life (10 hours)
- Easy to carry and set up
- Integrated advanced security

AT-5G NR Battery Power Banks

4G/5G READY · WIFI 6



Characteristics

This portable 5G NR device combines a modem, router, and WiFi hotspot in a single unit, allowing you to share high-speed mobile internet with multiple users simultaneously. It converts 5G signals into WiFi, enabling non-5G devices to enjoy ultra-fast connectivity. Ideal for personal, corporate, and outdoor use.

- Processor: Qualcomm SDX62 – Release 16
- Cellular Technology: 5G NR
- 5G NR Speed: Download 3.47 Gbps / Upload 460 Mbps
- WiFi: 802.11 b/g/n/ac/ax – 2×2 MIMO
- Functions: 5G Mi-Fi, built-in modem, portable wireless router.
- Display : Integrated LCD screen.
- 133.5 × 71 × 17 mm
- Shares 5G signal with multiple WiFi devices
- All-in-one: modem + router + hotspot
- Converts 5G signal to WiFi for non-5G devices.
- High capacity for multiple simultaneous users.
- Ideal for laptops, cameras, consoles, tablets, and smartphones.
- Portable, compact, and easy to use.



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