



G5 Air

5G Indoor CPE

G5 Air is the premium model of the ZTE 5th-generation 5G wireless router series. It supports the latest 5G NR Rel.16 technologies, and has dual-band Wi-Fi7 with 2MIMO antennas, 2.5 gigabit network interfaces, and full-voice services. It integrates all indoor terminal functions required for 5G FWA service deployment, so that consumers can enjoy incredible new experience in 5G AR, cloud games, and 4K videos.

Benefits

Ultra-high-speed Internet connection

With 5G NR CA and Wi-Fi7 technology, G5 Air features a 5G NR download rate of 4.29Gbps, and Wi-Fi7 downlink rate of BE3600, demonstrating the ultra-high rate and ultra-low latency of 5G networks end to end.

High-gain antennas improve network coverage

G5 Air adds directional antennas with up to 10dBi gain to the high frequency bands commonly used in 5G networks. Combined with the intelligent antenna switching technology, G5 Air can expand the coverage of base stations, and the Internet access rate in the areas with medium and weak signal coverage can be increased up to 20%***.

EASY MESH Achieves Whole-House Coverage

G5 Air can flexibly form mesh networks with multiple Wi-Fi routers to achieve good signal coverage in duplex apartments, villas and small offices, providing a smooth and full-coverage Wi-Fi roaming experience.



5G NR SA&NSA;3GPP Rel.16
Up to 4.29Gbps DL rate**



10dBi high gain antenna
Smart AI tracking antenna



Network Signal Detection
and Position Suggestion



VPN Client and
VPN passthrough



Wi-Fi7 BE3600
Wi-Fi auto Optimization



Parental Control
Time Management



RJ11 Ports
VoNR/VoLTE/VoIP



Bridge Mode and
Cable Broadband



ZTE security and
stable FOTA

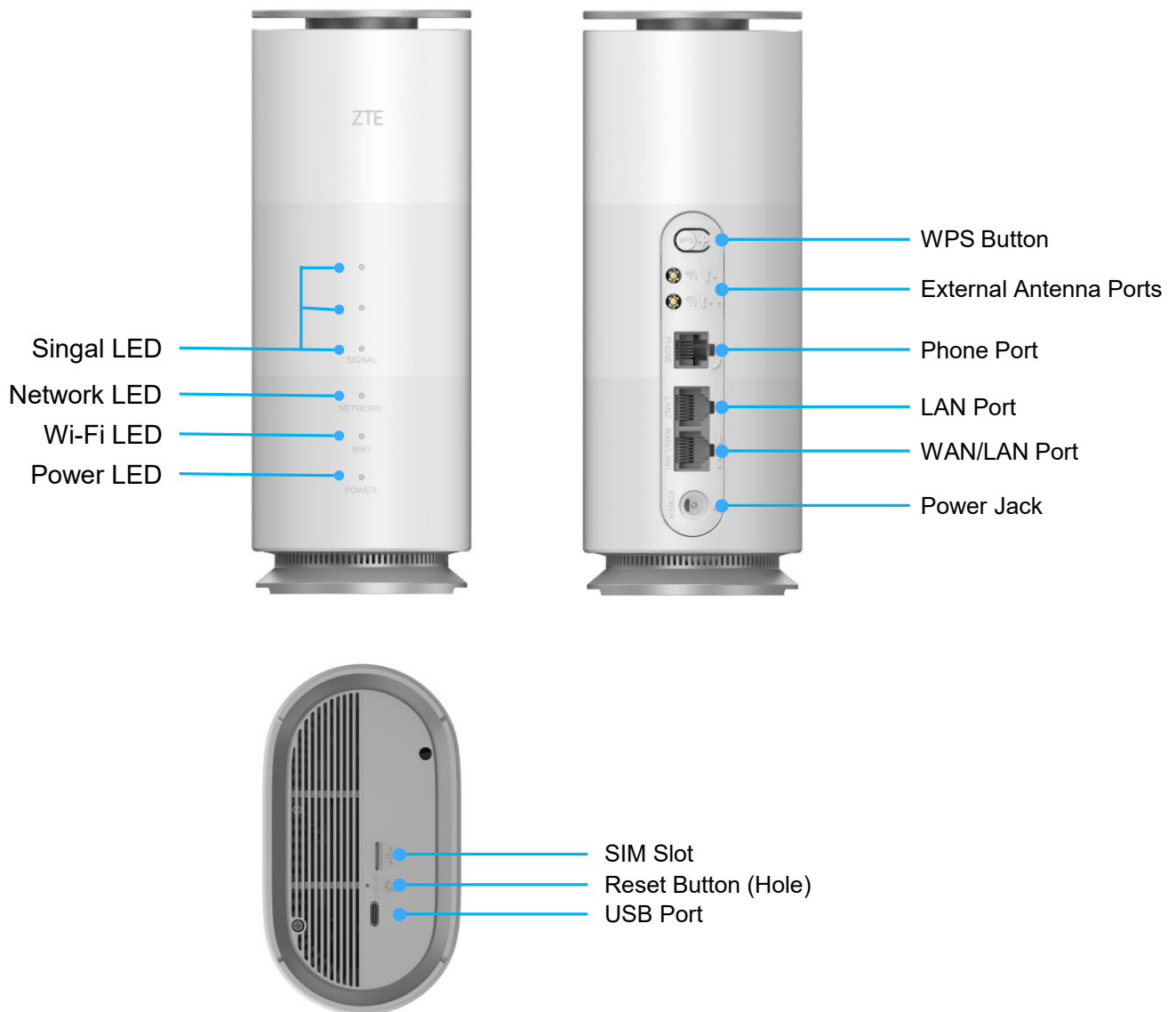
Rich combinations to exploit the potential of spectrum

G5 Air supports global mainstream 3G/4G/5G frequency bands and combinations such as NR 4CC and LOW+LOW band ENDC, making full use of operators' existing spectrum resources, and providing users with high-speed, wide-coverage, and smooth-handover cellular network roaming experience.

Abundant management and configuration interfaces

G5 Air supports local configuration management based on WEBUI and mobile apps, and remote management based on the TR069 and MQTT protocols. This improves user experience and provides cost-effective, efficient, and reliable solutions for operators' requirements for FWA terminal deployment, firmware upgrade, and O&M.

Interface Description



Specifications

Hardware specifications

5G NR Interface

- 3GPP Release 16
- Supports both NSA and SA modes
- Frequencies:
 - n1/3/7/8/20/28/38/75/76/77/78
- 4 MIMO: n1/3/7/8/20/28/38/75/76/77/78

4G LTE Interface

- 3GPP DL Category19, UL Category18
- Frequencies:
 - B1/3/7/8/20/28/38
- 4 MIMO: B1/3/7/8/20/28/38

UMTS Interface

- DC-HSDPA/HSPA+
- Frequencies: B1/8

Maximum power consumption

- <24W

Wi-Fi technology

- WiFi7, 802.11b/g/n/a/ac/ax/be, 2.4G&5G
- MIMO:2*2 for 2.4G&5G
- Speed: BE3600
- Access number: up to 128

Antenna Gain

- 5G/4G/3G:
 - 600-960MHz: up to 1.5dBi
 - 1400-2700MHz: up to 2.5dBi
 - 3300~4200MHz: 4dBi/10dBi

Software specifications

Device Mode

- Automatically mode (wireless or wire auto switch)
- Hybrid mode (wireless and wired are used at same time)
- Dual WAN(wireless and wired failover)
- Wireless mode
- Bridge mode
- Cable Broadband Mode

Speed**

- 5G ENDC(LTE FDD + Sub6G): DL 3.86Gbps, UL 280Mbps
- 5G SA: DL 4.29 Gbps,UL 320Mbps
- LTE FDD:DL 1.6Gbps,UL 200Mbps
- LTE TDD:DL 1.12Gbps,UL 40Mbps

Interface

- RJ45: 2, One 2.5GE + One 1GE
- RJ11: 1
- USB: 1, TypeC, Only for debug
- SIM slot: 4FF
- Reset hole: Restore factory default
- WPS button: Activate the PBC(Push Button Config) function
- TS-9: 2, External Antenna Ports

LED

- Power: White
- Wi-Fi: White
- Network: White/Blue/Red
- Singal Strength: 3, White

Package contents

- AC Adapter: 12V/2A
- Ethernet cable
- Quick Start Guide

Environment

- Operating temperature 0 to 40°C
- Storage temperature -40 to 70°C
- Humidity 5% to 95% (Non-condensing)

Certification

- CE, WEEE, ROHS, REACH, Wi-Fi

Artwork

- Dimensions: 124*70*185.5mm
- Weight: about 566g

IP Networking & Routing

- IPv4/IPv6 dual stack (NDP IPv6)
- DHCP server
- VPN client: L2TP\PPTP\IPSec* \GRE*
- VPN pass-through
- NAT/NAPT
- Sip ALG
- Multiple APNs*

Firewall

- Port Forwarding
- Port Filtering
- Port Mapping
- Domain Filtering
- MAC address Filtering
- Upnp
- DMZ
- Remote Access*

Wi-Fi

- Wi-Fi Switch
- Bandsteering
- MLO
- Security mode: WPA-PSK/WPA2-PSK, WPA2-PSK/WPA3-PSK, WPA2-PSK
- Wi-Fi Broadcast
- Wi-Fi Isolation
- Auto channel selection
- WPS
- Easy Mesh*
- GuestSSID support
- Wi-Fi Sleep Mode

Voice

- VoNR, VoLTE, CSFB, VoIP*

Device Management

- Connected device Management
- SMS
- PIN/PUK management
- APN management
- Lock Frequency/Lock Cell
- TR069 with TR181 data model default
- Upgrade: FOTA / TR069
- ZTE Smartlife APP
- Device can FOTA/TR069 on bridge mode
- Multiple languages*: Arabic, Chinese, Danish, English, Finnish, French, German, Italian, Norwegian, Portuguese, Portuguese (Brazil), Russian, Spanish, Spanish (Latin America), Swedish

Special Feature

- Preferred Position: Can help user to find a good position
- Device Diagnosis will list all device running key status and give fix solution*
- PC/Phone/PAD WebUI management self-adaptation
- OpenWrt

* Optional customized features.

** The maximum data rates is a theoretical value. The actual data rates depend on the network environment.

*** ZTE Lab test data.

For more product information, visit us on the web at <https://ztedevices.com>

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ZTE Smartlife APP

