ZTE

G5C
5G Indoor CPE

G5C is the affordable premium model of the ZTE 5th-generation 5G wireless router series. It supports 5G NR Rel.15 technologies, and provides Wi-Fi6, dual gigabit network interfaces. 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 its compact single-chip architecture, G5C achieves ultra-high performance-to-cost ratio, with a 5G NR download rate of 3.43Gbps, and Wi-Fi 6 downlink rate of AX1800, demonstrating the ultra-high rate and ultra-low latency of 5G networks end to end.

Rich combinations to exploit the potential of spectrum

G5C supports global mainstream 3G/4G/5G frequency bands and combinations of multi-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

The G5C 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.

5G NR SA&NSA
Up to 3.43Gbps DL rate **

Network Signal Detection and Position Suggestion

VPN Client and VPN passthrough

Wi-Fi6 (11ax) AX1800
Wi-Fi auto Optimization
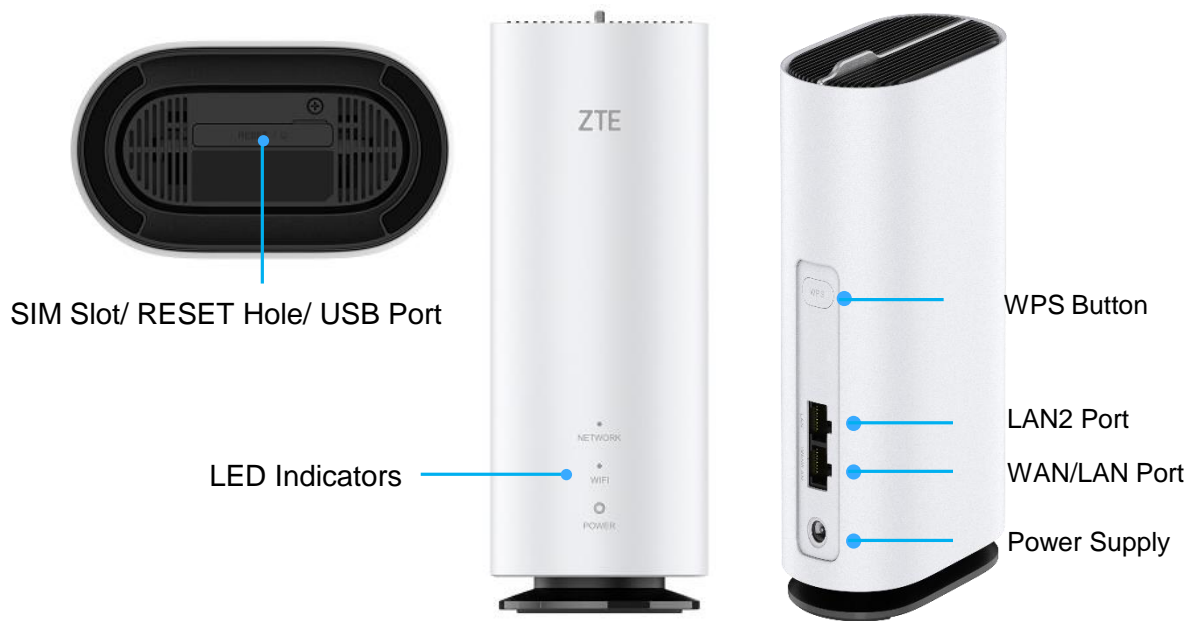
Parental Control
Time Management

Bridge Mode and Cable Broadband

ZTE security and stable FOTA

Interface Description

SIM Slot/ RESET Hole/ USB Port

LED Indicators

WPS Button

LAN2 Port

WAN/LAN Port

Power Supply

Specifications

Hardware specifications

5G NR Interface
• 3GPP Release 15
• Supports both NSA and SA modes
• Frequencies:
   n1/2/3/5/7/8/20/28/38/40/77/78
• 4 MIMO: n1/3/7/38/40/77/78

4G LTE Interface
• 3GPP DL Category20, UL Category13
• Frequencies:
   B1/3/7/8/20/28/38/40
• 4 MIMO: B1/3/7/38/40

UMTS Interface
• DC-HSDPA/HSPA+
• Frequencies: B1/8

Wi-Fi technology
• Wi-Fi6, 802.11b/g/n/a/ac/ax, 2.4G&5G
• MIMO: 5GHz 2MIMO, 2.4GHz 2MIMO
• Speed: AX1800
• Access number: up to 32

Maximum power consumption
• about 18w

Speed[**]
• 5G ENDC(LTE FDD + Sub6G): DL 3.43Gbps, UL 230Mbps
• 5G SA: DL 1.43 Gbps, UL 160Mbps
• LTE FDD:DL 2.0Gbps,UL 150Mbps
• LTE TDD:DL 1.46Gbps,UL 30Mbps

Interface
• RJ45: 2, 10Base-T /100Base-T /1000Base-T
• USB: 1, TypeC, Only for debug
• SIM slot: 4FF/eSIM (default is SIM slot)
• Reset hole to restore factory default
• WPS button to activate the PBC(Push Button Config) function

LED
• Power: 1 LED (White)
• Wi-Fi: 1 LED (White)
• Network: 1 LED (White/Blue/Red)

Package contents
• AC Adapter: 12V/1.5A
• Ethernet cable
• Quick Start Guide

Antenna Gain

• 5G/4G/3G:
  700~960MHz: 1~1.5dBi
  1450~2700MHz: 2~2.5dBi
  3300~4200MHz: 4dBi
  4400~5000MHz: 4dBi

Certification

• CE, WEEE, ROHS, REACH, Wi-Fi

Environment

• Operating temperature -20 to 55℃
• Storage temperature -40 to 70° C
• Humidity 5% to 95%

Artwork

• Dimensions: 172*110*62.5mm
• Weight: about 378g

Software specfications

Device Mode

• Automatically mode (wireless or wire auto switch)
• Hybird mode (wireless and wired are used at same time)
• Wireless mode
• Bridge mode
• Cable Broadband Mode

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＊

Device Managemnt

• Connected device Management
• SMS
• PIN/PUK management
• APN management
• Lock Frequency/Lock Cell
• Random WebUI & Wi-Fi management Password default＊
• TR069 with TR181 data model default
• Upgrade: FOTA / TR069＊
• ZTE Smartlife APP＊
• Device can FOTA/TR069/remotely access on bridge mode

Firewall

• Port Forwarding
• Port Filtering
• Port Mapping
• Domain Filtering
• MAC address Filtering
• Upnp
• DMZ
• Remote Access/Ping switch*

Wi-Fi

• Wi-Fi Switch
• Bandsteering
• Security mode: WPA-PSK/WPA2-PSK, WPA2-PSK/WPA3-PSK,WPA2-PSK
• Wi-Fi Broadcast
• Auto channel selection
• WPS
• GuestSSID support
• Wi-Fi Sleep Mode

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

＊ Optional customized software features.
** The maximum data rates is a theoretical value. The actual data rates depend on the network environment.
*** ZTE Lab test data.

ZTE Smartlife APP