

5G CPE Wireless Router with Voice (option) Wireless Router with WAN and built-in 5G Modem Model: G2Wifi 5G

G2WiFi 5G is a 5G CPE Wireless Router with Voice (Option) equipped with MT7622A dual core wireless solution and 5 Ports Gigabit Ethernet switch (four LAN & one WAN port), performs excellent wireless performance and strong scalability with data transmission of DL 2.4 Gbps/UL 900 Mbps for 5G SA Sub-6, DL 3.2 Gbps / UL 600 Mbps for 5G NSA Sub-6, DL 1.0 Gbps / UL 200 Mbps for LTE and DL 42 Mbps / UL 5.76 for WCDMA.

Product Photos

Dimension (L x W x H): 204 x 129 x 30 x mm (excludes antennas)



Front View

Rear View



Back View



Top View

General specifications

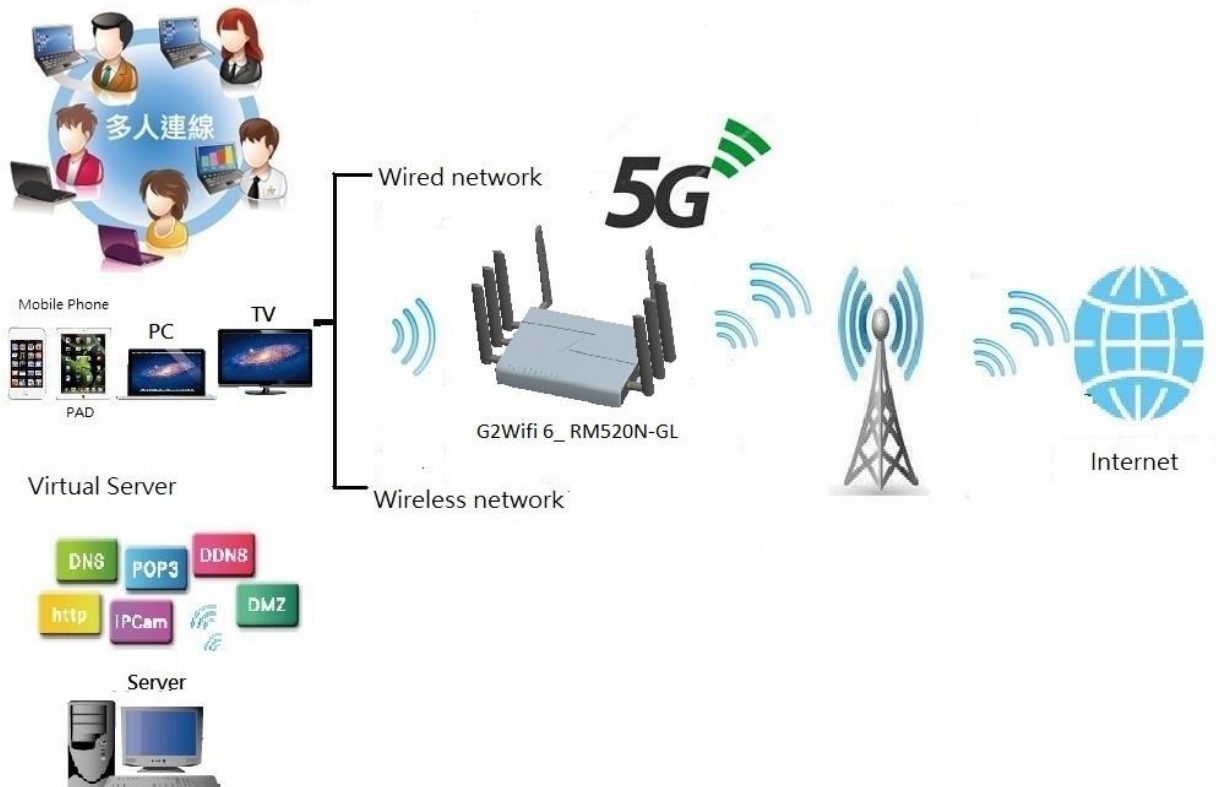
- MT7622A chip, Embedded Dual-core ARM® Cortex-A53,1.35GHz

- DDR3 memory up to 8Gb (512MB x 16)
- 4x4 wifi IEEE 802.11 b/g/n compliant
- SMA connector for external wifi antenna
- Support 20 & 40MHz bandwidth in 2.4GHz band
- Bluetooth core specification V4.2 compliant
- Supports BLE 2Mbps
- Support Quectel RM520N-GL 5G Sub-6 GHz M.2 Module

Connection interfaces:

- 5 Ports Gigabit Ethernet switch, four LAN & one WAN port
- USB 2.0 type A connector, Host mode
- SIM Card for 4G/5G
- Micro SD SDxC class 10 (max 128GByte)
- miniPCIe (PCIe 2.0) for wifi5/wifi6 module
- miniPCIe (USB I/F) for 3G/4G LTE modem
- SATA connector, share with PCIe interface
- JTAG support

Surf the Internet Via **5G** or WiFi



Application Example

Cellular Specifications

Frequency Bands

● 5G NR Bands:

NSA:

n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/
n76/n77/n78/n79

SA:

n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/
n76/n77/n78/n79

LTE-FDD Bands:

B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71

LTE-TDD Bands: B34/B38/B39/B40/B41/B42/B43/B48

LAA B46

WCDMA B1/B2/B4/B5/B8/B19

GNSS: GPS/GLONASS/BDS/Galileo

● Certifications:

GCF/PTCRB/CE/Anatel*/CCC/RCM/IC/FCC/JATE*/TELEC*/KC*/NCC*

Carrier: T-Mobile* / AT&T*/Verizon*/Deutsche Telekom*

Others: RoHS

Router Specifications

Firewall

- IP and MAC Filter
- Virtual Server and DMZ
- NAT (Network Address Translation)

VPN

- PPTP, L2TP pass-through
- PPTP, L2TP/IPSec client
- Open VPN

Communication Protocols

- PPPoE, IP, NAT, DHCP, PAP, CHAP, PPP, TCP/IP, UDP, HHTP, NTP (other protocols upon request)

O&M Protocols:

- HTTP, SSH, TFTP, FTP, SNMP v2c, Broadband Forum TR-069 (Option)

Mechanical Specifications

- Plastic Housing with External Connectors
- Dimension (L x W x H): 204 x 129 x 30 mm (excludes antennas)
- Operating Temperature: -10°C to +55°C

Power Specifications

- DC input: 12VDC input range, 14-30V for option

*Specifications are subject to change without notice.