

## G2Wifi III 4G Router

Wireless Router with WAN and built-in 4G LTE Modem

Model: G2Wifi III\_EC25 (LTE module could be changed as request)



Figure: G2Wifi III with internal 4G LTE module

CPU: MT5350

### General Features

- Built-in 4G LTE modem
- Internet access over ether WAN (support DHCP, Static IP, PPPoE) and/or internal 4G LTE modem
- Failover from Ethernet WAN to LTE or Load Balance among WAN and LTE
- Wi-Fi access point (Built-in internal antenna, optional external antenna)
- Built-in TR-069 for Management
- VPN pass-through/ VPN client

### Wi-Fi Specification

#### Output Power (Wi-Fi)

- 802.11n:11 dbm
- 802.11g:13 dbm
- 802.11b:15 dbm

#### Sensitivity (Wi-Fi):

- 802.11n : -68 dBm
- 802.11g : -68 dBm
- 802.11b : -85 dBm

### Wi-Fi Frequencies

- 2,4 - 2,462 GHz, CCK / OFDM (Modulation Range Coverage)

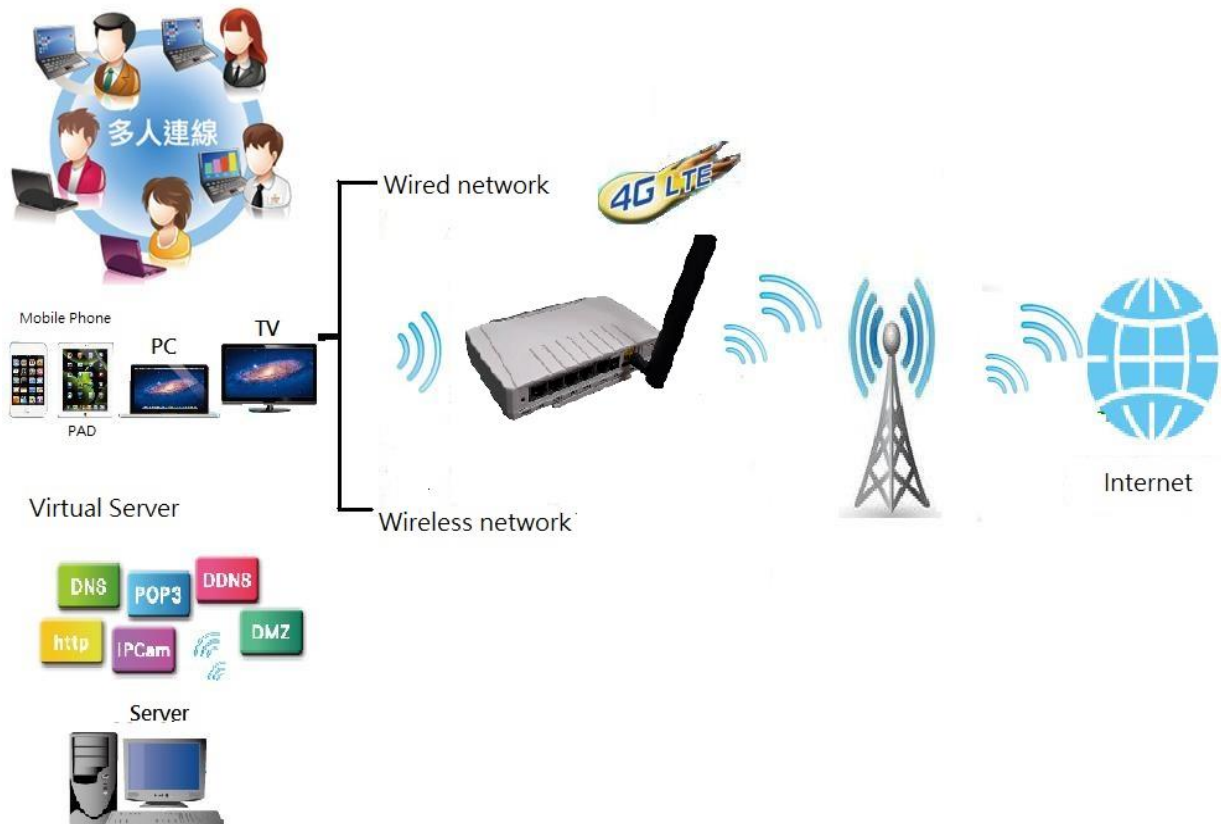
### Wi-Fi Distances

- Indoor: approximately 30 to 50 meters
- Outdoor: 80 to 100 meters

### Compatibility

- IEEE 802.3 10 Base-T Ethernet
- IEEE 802.3u 100 Base-TX Fast Ethernet
- IEEE 802.3x Flow Control
- IEEE 802.11 b/g/n Wireless

### Surf the Internet Via 4G LTE or WiFi



### Application Example

### Cellular Specification

Please refer to the specifications of EC25

## Approvals

### Carrier:

Vodafone (Global)  
Deutsche Telekom/Telefónica (Europe)  
Verizon/AT&T/T-Mobile (North America)  
Rogers/Bell\*/Telus\* (Canada)  
SKT/KT\*/LGU+\* (South Korea)  
NTT DOCOMO/SoftBank/KDDI (Japan)

### Regulatory:

GCF (Global)  
CE (Europe)  
FCC/PTCRB (North America)  
IC (Canada)  
Anatel (Brazil)  
KC (South Korea)  
NCC (Taiwan)  
JATE/TELEC (Japan)  
RCM (Australia/New Zealand)  
FAC (Russia)  
NBTC (Thailand)  
ICASA (South Africa)

## Mechanical Specifications

- Plastic Housing with External Connectors
- Dimension (L x W x H): 110 x 155 x 32 mm
- Weigh: 260g
- Operating Temperature: -10°C to +55°C
- Storage Temperature: -20°C ~ to +60°C
- Storage Humidity: 5° to 85% of relative humidity (with no condensation)

## Connection Interfaces

- WAN Ethernet Interface 10/100 Base-TX, connector RJ-45
- LAN x4 Ethernet Interface 10/100 Base-TX, connector RJ-45
- Three type B USB Connector
- SMA Connector for **external 4G antenna**
- Built-in internal wifi antenna
- SMA Connector for external wifi antenna (optional)
- Internal SIM Card Reader: Chip SIM CR 3.0V, 1.8V

## Router Specifications

### Firewall

- IP and MAC Filter

- Virtual Server and DMZ
- NAT (Network Address Translation)

#### **VPN**

- PPTP, L2TP pass-through
- PPTP, L2TP/IPSec client
- GRE

#### **Communication Protocols**

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

### **Power Specifications**

#### **AC-DC Power Adapter**

- Input: 90 to 240 VAC / 0.3A
- Frequency: 50/60 Hz
- Output: 8 VDC / 1 A

#### **DC Input**

- Input Voltage Range: 6 to 12 VDC
- Input Power: 12 W
- Input Connector: J4 (internal positive)

*\*Specifications are subject to change without notice.*