

# Datasheet (GL-X2000)

## Spitz Plus

### Wi-Fi 6 Dual-SIM Cellular Router



GL-X2000 is a Wi-Fi 6 cellular router designed to provide reliable cellular connectivity in remote locations and high-speed internet in urban areas. It features two external full-band LTE antennas for exceptional signal reception and supports dual SIM slots, ensuring redundancy to keep the device online at all times.

GL-X2000 also includes a USB interface, allowing users to connect external USB devices and expand storage capacity. Additionally, it supports OpenVPN and WireGuard for enhanced online privacy and security. With multi-WAN capabilities (failover and load balancing) and bandwidth bonding, GL-X2000 offers reliable network connectivity for enterprises of all sizes and individual users.

## Highlights

### Lightning-Fast 4G LTE Cat.12 Connectivity

GL-X2000 employs 3GPP UE downlink Category 12, simultaneously streams data on three carrier bands, providing 3X available bandwidth. Ultra-fast and reliable for all your digital needs.

### Exceptional Internet Performance

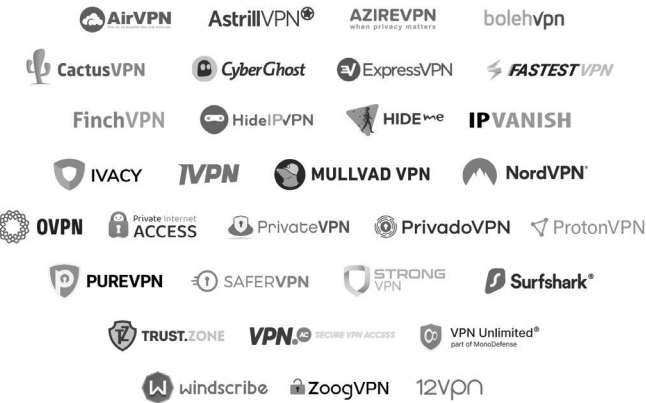
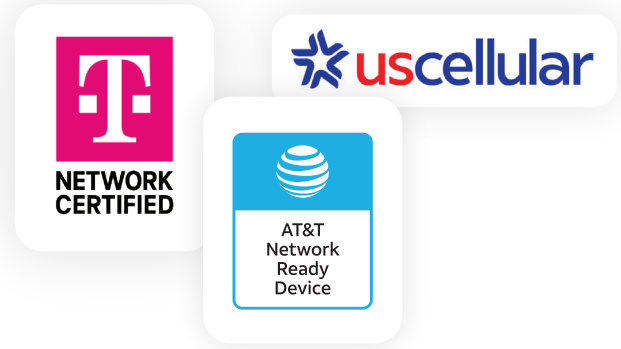
Supporting the Wi-Fi 6 (802.11 ax) standard, the GL-X2000 delivers exceptional performance in handling a large number of connected devices. It is equipped with advanced network technologies, including MU-MIMO for simultaneously processing multiple data streams in high-density networks, and OFDMA for efficient and low-latency data throughput.

### Increased Network Reliability with Multi-WAN

GL-X2000 features multi-WAN for increased bandwidth and improved network stability. It supports Load-balancing to optimize bandwidth usage and prevent network congestion, as well as cellular Failover to ensure uninterrupted connectivity. Users can configure the priority of different connection methods, including Ethernet, Cellular, and Repeater.

## Carrier Certified Preparation

GL-X2000 is planned for certification with T-Mobile, AT&T and US Cellular to ensure full compatibility and seamless integration with three carrier's networks.



## Enhanced Security with VPN Functionality

GL-X2000 is preinstalled with support for over 30 VPN service providers, including OpenVPN (Up to 30Mbps) and WireGuard (Up to 190Mbps) protocols, to secure all connected devices. Giving you reliable security.

## Interchangeable Antennas for Customized Setups

GL-X2000 is equipped with four SMA connectors, offering the flexibility to integrate various external antennas to optimize the device for different application scenarios.



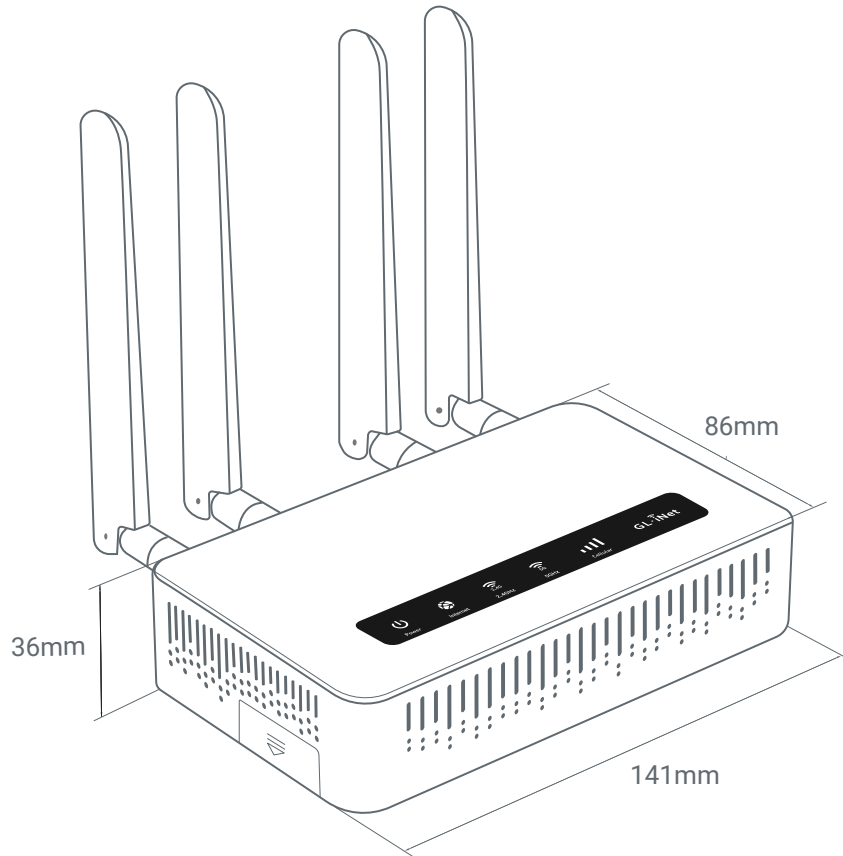
## Wall Mount: Stick or Screw

GL-X2000 is equipped with a versatile two-in-one adhesive and screw-in wall mount, allowing for convenient temporary or permanent installation on both smooth and rugged surfaces.

# Specifications

HARDWARE	
CPU	Qualcomm Dual-core, @1GHz
Memory/Storage	DDR3L 512MB/NAND Flash 128MB
Wi-Fi	802.11 b/g/n/ac/ax, 2x2 574Mbps (2.4GHz) 802.11 a/n/ac/ax, 2x2 2402Mbps (5GHz)
External Antennas	2 x Cellular Antennas (SMA, 600M~3.8GHz) 2 x Wi-Fi Antennas (PR-SMA, 2.4G~2.5GHz, 5.15~5.84GHz)
Ethernet Speed	10/100/1000Mbps
Power Consumption	<14W
Dimension/Weight	141 x 86 x 36mm / 443g

## Dimension (mm)



**SOFTWARE FEATURES**

<b>Operating System</b>	OpenWrt 19.07
<b>Network mode</b>	Routing, AP, Wireless Bridge, Wired Bridge
<b>Ethernet Dialing Mode</b>	DHCP, Static, PPPoE
<b>Repeater Mode</b>	Scans and connects to SSID Connects to hidden SSID
<b>4G Modem</b>	Sets AT command Automatic / Manual setting Receives SMS Display signal strength Lock tower
<b>Wireless Configuration</b>	Switching on and off wireless AP Modifying and hiding SSID Modifying encryption mode and password Channel modification Bandwidth modification Modifying transmission power Guest SSID
<b>Display Flow Statistics</b> <i>(Cloud Platform Required)</i>	Display product model, name, IP address, MAC address Current rate Flow statistics QoS settings
<b>Client List</b>	Show current connected clients Disable a client (no internet access)
<b>Firewall Function</b>	Port forwarding, open port, DMZ

<b>VPN</b>	<p>OpenVPN client &amp; server</p> <p>WireGuard client &amp; server</p> <p>Maximum OpenVPN Speed: 30Mbps</p> <p>Maximum WireGuard Speed: 190Mbps</p> <p>Policy routing</p>
<b>System Function</b>	<p>Restart</p> <p>Restore factory settings</p> <p>Change IP address range on LAN side</p> <p>Change time zone</p> <p>MAC address clone</p> <p>Encrypted DNS</p> <p>DDNS</p> <p>TTL settings</p> <p>Cloud remote management</p> <p>Remote web management</p> <p>Remote SSH management</p> <p>Installing / uninstalling packages</p> <p>Drop-in Gateway mode</p> <p>Multi-WAN</p>

## INTERFACE

<b>Ethernet Port</b>	1 x 1G WAN, 1 x 1G LAN
<b>SIM Card Slot</b>	2 x Nano SIM card (12.3mm x 8.8mm)
<b>USB Port</b>	USB2.0 Type-A (maximum output of 1A)
<b>LED Indicator</b>	PWR / Internet / 2.4G Wi-Fi / 5G Wi-Fi / Cellular Signal Strength
<b>Reset Button</b>	<p>Press (&gt;3s, &lt;8s) to restore network settings to device initial state.</p> <p>Long press (&gt;=8s) to restore factory settings</p>
<b>Power Port</b>	DC5521, 12V/2.5A (5.5*2.1mm) [default adapter]/9V~36V

## CERTIFICATION

- CE+DFS
- FCC+DFS
- IC
- RoHs
- WEEE
- CP65
- PTCRB
- AT&T
- T-Mobile
- US Cellular

## ENVIRONMENT

<b>Operating Temperature</b>	0 ~ 40°C (32 ~ 104°F)
<b>Storage Temperature</b>	-20 ~ 70°C (-4 ~ 158°F)
<b>Operating Humidity</b>	5%~95%, Non-Condensing
<b>Storage Humidity</b>	5%~95%, Non-Condensing

## PACKAGE CONTENTS

- 1 x GL-X2000 router
- 1 x Power adapter
- 2 x Wi-Fi antennas
- 2 x 4G LTE antennas
- 1 x Ethernet cable
- 1 x User manual
- 1 x Warranty card
- 1 x Wall bracket

# Order Information

## PRODUCT CODE

**GL-X2000-NA**

**GL-X2000-EA**

**Module**

Quectel EG120K-NA

Quectel EG120K-EA

**Regions**

Primary: North America

Primary: EMEA/APAC/Brazil

## FREQUENCY BANDS

	<b>LTE Category</b>	Cat 12	Cat 12
<b>LTE</b>	<b>LTE-FDD</b>	B2/4/5/7/12/13/14/25/26/ 29/30/66/71	B1/3/5/7/8/20/28 32
	<b>LTE-TDD</b>	B41/48	B38/40/41
<b>UMTS</b>	<b>WCDMA</b>	–	B1/3/5/8

## DATA RATES (MAX.) <sup>①</sup>

<b>LTE</b>	600Mbps (DL)/150Mbps (UL)	600Mbps (DL)/150Mbps (UL)
<b>LTE</b>	430Mbps (DL)/90Mbps (UL)	430Mbps (DL)/90Mbps (UL)
<b>UMTS</b>	–	42Mbps (DL)/5.76Mbps (UL)
<b>WCDMA</b>	–	384Kbps (DL)/384Kbps (UL)

NOTE:

①: The presented data rates are theoretical only, and actual values depend on network conditions.

## CONTACT US

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