

## Datasheet (GL-X3000)

# Meet Spitz AX

## Wi-Fi 6 Dual-SIM 4G/5G Cellular Gateway



GL-X3000 is a Wi-Fi 6 4G/5G Dual-SIM Cellular Router designed to provide a reliable network for recreational vehicles in remote locations or high speed cellular internet in urban areas. It offers an internet speed of 574Mbps (2.4GHz) and 2402Mbps (5GHz), with a combined maximum Wi-Fi bandwidth of 3000Mbps. It has configurable Multi-WAN, Load balancing, and Failover options between the WAN ports, SIM Card, and Repeater.

The GL-X3000 boasts a versatile antenna setup that includes six antennas, featuring a combination of 5G and Wi-Fi 6 antennas. This unique configuration offers the freedom to incorporate various external antennas, allowing for optimal device customization to suit specific application scenarios.

## Highlights

### 5G NR Connectivity

GL-X3000 features (New Radio) cellular connectivity, delivering a powerful boost in potential download speeds compared to 4G LTE at a reduced latency. Additionally, 5G's MMTC (Massive Machine-Type Communications) technology supports high network density connections, effectively reducing delays and interruptions caused by interference.

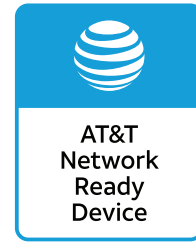
### Multi-WAN, Load-Balancing, Failover

GL-X3000 features Multi-WAN for increased bandwidth and better network stability, Load-balancing for optimizing bandwidth usage and avoiding network congestion, and cellular Failover to ensure an uninterrupted network. For each option, users are able to configure the priority of each connection type including Ethernet, Cellular, and Repeater.



## Carrier Certified

GL-X3000 is certified by T-Mobile and AT&T, and is therefore compatible with these network providers. GL-X3000's IoT application is supported and interoperable with these network infrastructures, ensuring seamless connectivity and reducing the risk of connectivity issues.



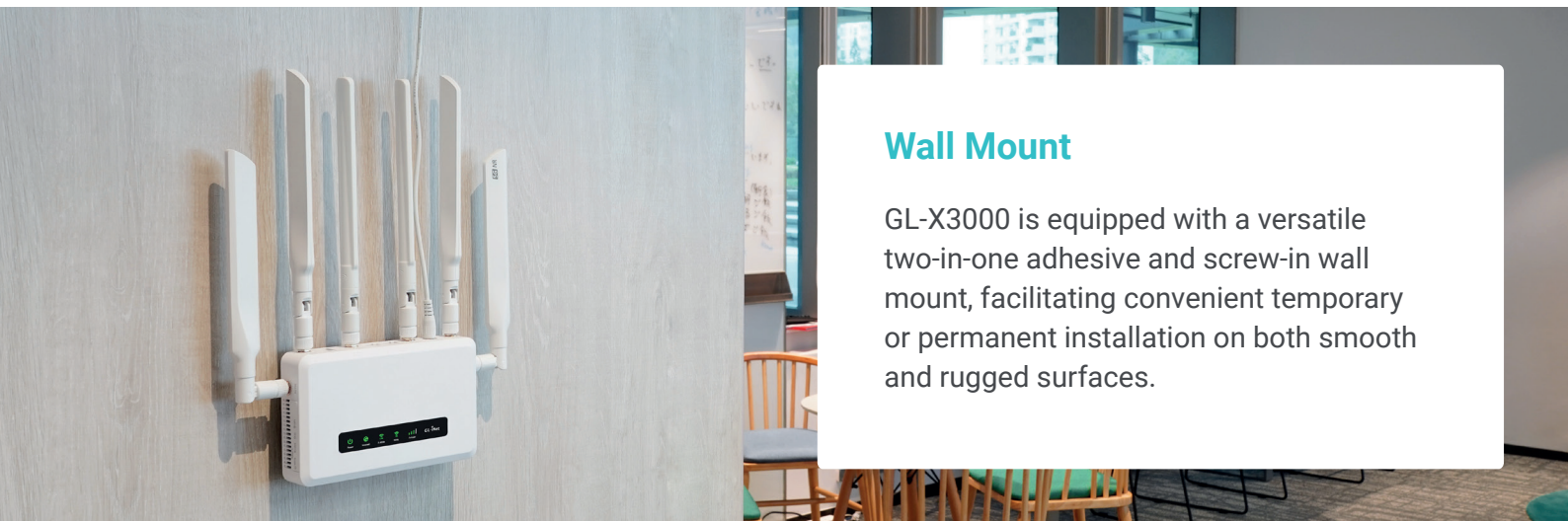
## Interchangeable Antennas

GL-X3000 is equipped with six SMA (SubMiniature version A) connectors, providing the flexibility to integrate different types of external antennas for optimizing the device towards specific application scenarios.



## Wi-Fi 6 802.11ax

GL-X3000 supports the Wi-Fi 6 802.11ax standard, delivering exceptional mass device connectivity performance. It is equipped with a series of network technologies including MU-MIMO to simultaneously process multiple data streams in high-density networks, and OFDMA for efficient and low-latency data throughput.



### Wall Mount

GL-X3000 is equipped with a versatile two-in-one adhesive and screw-in wall mount, facilitating convenient temporary or permanent installation on both smooth and rugged surfaces.

## Customizable BLE, Thread, and Zigbee Integration

GL-X3000 offers IoT customization options including BLE, Thread, and Zigbee protocols. While customization is a key aspect of GL-X3000, it is important to note that this feature is exclusively available for bulk orders.

# Specifications

HARDWARE	
CPU	MediaTek Dual-core MT7981A, @1.3GHz
Memory / Storage	DDR4 512 MB / 8GB eMMC
Cellular	Qualcomm X62 5G modem
Wi-Fi	802.11 a/b/g/n/ac/ax, 574Mbps (2.4GHz) 802.11 a/b/g/n/ac/ax, 2402Mbps (5GHz)
External Antennas	6 x Optional Antennas (4 for 4G LTE/5G NR, 2 for Wi-Fi)
Power Consumption	<14W
Ethernet Speed	WAN Port: 10/100/1000/2500Mbps LAN Port: 10/100/1000Mbps
Exterior Material	ABS Plastic + PC
Dimension / Weight	155 x 95 x 36mm / 520g
SOFTWARE FEATURES	
Operating System	OpenWrt 21.02 (Kernel version 5.4)
Network mode	Routing, AP, Wireless Bridge, Wired Bridge
Ethernet Dialing Mode	DHCP, Static, PPPoE
Repeater Mode	Scans and connects to SSID Connects to hidden SSID
4G/5G Modem	Sets AT command Automatic / Manual setting Receives SMS Display signal strength

<b>Wireless Configuration</b>	<ul style="list-style-type: none"><li>Switching on and off wireless AP</li><li>Modifying and hiding SSID</li><li>Modifying encryption mode and password</li><li>Channel modification</li><li>Bandwidth modification</li><li>Modifying transmission power</li><li>Guest SSID</li></ul>
<b>Display Flow Statistics</b> <i>(Cloud Platform Required)</i>	<ul style="list-style-type: none"><li>Display product model, name, IP address, MAC address</li><li>Current rate</li><li>Flow statistics</li><li>QoS settings</li></ul>
<b>Client List</b>	<ul style="list-style-type: none"><li>Show current connected clients</li><li>Disable a client (no internet access)</li></ul>
<b>Firewall Function</b>	<ul style="list-style-type: none"><li>Port forwarding, open port, DMZ</li></ul>
<b>VPN</b>	<ul style="list-style-type: none"><li>OpenVPN client &amp; server</li><li>WireGuard client &amp; server</li><li>Maximum OpenVPN Speed: 150Mbps</li><li>Maximum WireGuard Speed: 300Mbps</li><li>Policy routing</li></ul>
<b>System Function</b>	<ul style="list-style-type: none"><li>Restart</li><li>Restore factory settings</li><li>Change IP address range on LAN side</li><li>Change time zone</li><li>MAC address clone</li><li>Encrypted DNS</li><li>DDNS</li><li>Cloud remote management</li><li>Remote web management</li><li>Remote SSH management</li><li>Installing / uninstalling packages</li><li>Drop-in Gateway mode</li><li>Multi-WAN</li></ul>

## INTERFACE

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

## CERTIFICATION

- CE
- RoHs
- WEEE
- CP65
- FCC
- UKCA
- IC

## 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 LIST

- 1 x GL-X3000 Router
- 1 x Power Adapter
- 2 x Wi-Fi Antennas
- 4 x 5G NR / 4G LTE Antennas
- 1 x Ethernet Cable
- 1 x User Manual
- 1 x Warranty Card
- 1 x Wall Mount Kit

## CONTACT US

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