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.
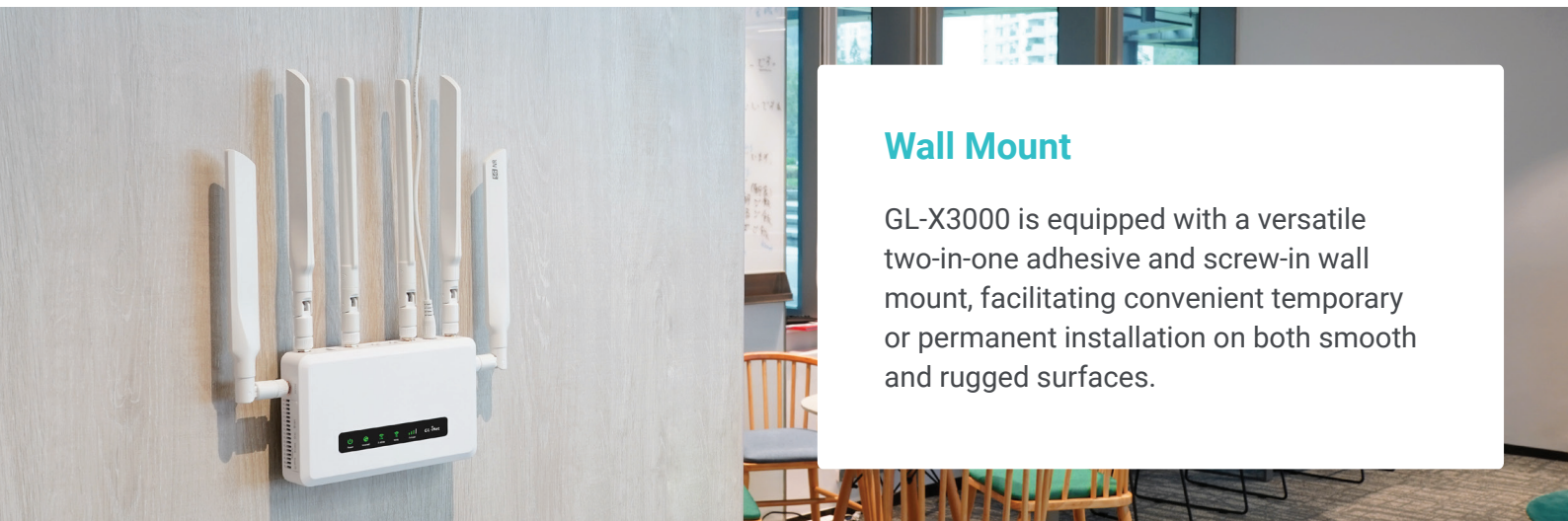
Interchangeable Antennas

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

Wireless Configuration	Switching on and off wireless AP
	Modifying and hiding SSID
	Modifying encryption mode and password
	Channel modification
	Bandwidth modification
	Modifying transmission power
	Guest SSID
Display Flow Statistics *(Cloud Platform Required)*	Display product model, name, IP addreess, MAC address
	Current rate
	Flow statistics
	QoS settings
Client List	Show current connected clients
	Disable a client (no internet access)
Firewall Function	Port forwarding, open port, DMZ
VPN	OpenVPN client & server
	WireGuard client & server
	Maximum OpenVPN Speed: 150Mbps
	Maximum WireGuard Speed: 300Mbps
	Policy routing
System Function	Restart
	Restore factory settings
	Change IP address range on LAN side
	Change time zone
	MAC address clone
	Encrypted DNS
	DDNS
	Cloud remote management
	Remote web management
	Remote SSH management
	Installing / uninstalling packages
	Drop-in Gateway mode
	Multi-WAN

INTERFACE

Ethernet Port	1 x 2.5G WAN, 1 x 1G LAN
TF Card Slot	TF card, maximum 1TB
SIM Card Slot	2 x Nano SIM card (12.3mm x 8.8mm)
USB Port	USB2.0 Type-A
LED Indicator	System / 5G WiFi / 2.4G WiFi / Internet / Cellular Signal Strength
Reset Button	Press (>3s, <8s) restores network settings to device initial state Long press (>=8s) restores factory settings
Power Port	DC5521, 12V/2.5A (5.5*2.1mm) [default adapter] / 24V

CERTIFICATION

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

ENVIRONMENT

Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	5%~95%, non-condensing
Storage Humidity	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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