

Datasheet (GL-MT3000)

Meet Beryl AX

Pocket-sized Wi-Fi 6 Home & Travel Router



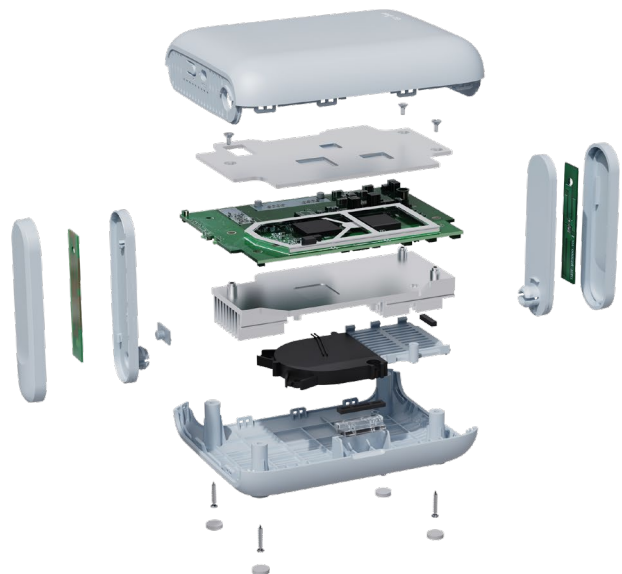
Beryl AX (GL-MT3000) is an AX3000 pocket-sized travel router that uses the Wi-Fi 6 protocol. It offers an internet speed of 574Mbps (2.4GHz) and 2402Mbps (5GHz), with a combined maximum Wi-Fi speed of 3000Mbps. It is also capable of running OpenVPN at 150 Mbps and WireGuard at 300 Mbps. Its powerful internet speed is able to support large households with heavy Wi-Fi usage, and is also compactly designed to be pocket-sized for convenient travel use.

Beryl AX (GL-MT3000) is an upgraded version of Beryl (MT1300), it has more than double the total Wi-Fi speed while retaining the same exterior size.

Highlights

AX3000 Wi-Fi 6 Technologies

Beryl AX (GL-MT3000) uses the Wi-Fi 6 protocol featuring technologies including Beam-forming for enhanced coverage, OFDMA for data transmission efficiency, and BSS Coloring for minimal network congestion.



Host VPN server & Run VPN client

Beryl AX can reach a vpn speed of up to 150 Mbps using OpenVPN and 300 Mbps using WireGuard. It is capable of hosting VPN server and VPN client at the same time, and automatically forwarding data from its VPN server to the VPN client within the same device.

WireGuard

Max. 300Mbps

OpenVPN

Max. 150Mbps

Pocket-sized

Beryl AX compacts a Wi-Fi 6 enabled chipset into a 118 x 85 x 30mm exterior. It is equipped with retractable antennas for convenient deployment and storage. When the antennas are in its upright position, the antennas uncovers patterned enclosure holes for heat dissipation on the side of the router, improving its cooling capabilities.



Openwrt v21.02

Beryl AX runs on open-source OpenWrt 21.02 firmware, supporting more than 5000 ready-made plug-ins for customization. Simply browse, install, and manage packages with our no-code interface within Beryl AX's Admin Panel.

An Engineering Masterpiece

Beryl AX comes with a 2.5G Multi-gigabit WAN port and a 1G gigabit LAN port, it is capable of processing network and VPN packets efficiently using its MediaTek MT7981B 1.3 GHz Dual-core processor. The router also comes with a Type-C power supply and a USB 3.0 port for external storage.



Specifications

HARDWARE

CPU	MT7981B 1.3GHz Dual-core Processor
Memory / Storage	DDR4 512MB / NAND Flash 256MB
Wi-Fi	802.11 b/g/n/ax, 574Mbps (2.4GHz) 802.11 a/g/n/ac/ax, 2402Mbps (5GHz)
Internal Antennas	1 x Antenna
External Antennas	2 x Antennas
Ethernet Speed	10/100/1000/2500 Mbps
Power Consumption	<8W
Dimension / Weight	106 x 83 x 33mm (L*W*H) / 196g

SOFTWARE FEATURES

Operating System	OpenWrt v21.02
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
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

<p>Display Flow Statistics <i>(Cloud Platform Required)</i></p>	<p>Display product model, name, IP address, MAC address</p> <p>Current rate</p> <p>Flow statistics</p> <p>QoS settings</p>
<p>Client List</p>	<p>Show current connected clients</p> <p>Disable a client (no internet access)</p>
<p>Firewall Function</p>	<p>Port forwarding, open port, DMZ</p>
<p>VPN</p>	<p>OpenVPN client & server</p> <p>WireGuard client & server</p> <p>Maximum OpenVPN Speed: 150Mbps</p> <p>Maximum WireGuard Speed: 300Mbps</p> <p>Policy routing</p>
<p>System Function</p>	<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>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

Ethernet Port	1 x 2.5G WAN, 1 x 1G LAN
USB Port	USB3.0 Type-A
LED Indicator	1 x dual color LED indicator for Power and Internet
Reset Button	Press (>3s, <8s) restores network settings to device initial state Long press (>=8s) restores factory settings
Power Port	USB Type-C interface, 5V/3A power supply

CERTIFICATION

- CE
- MIC
- WEEE
- UKCA
- FCC
- RoHs
- IC

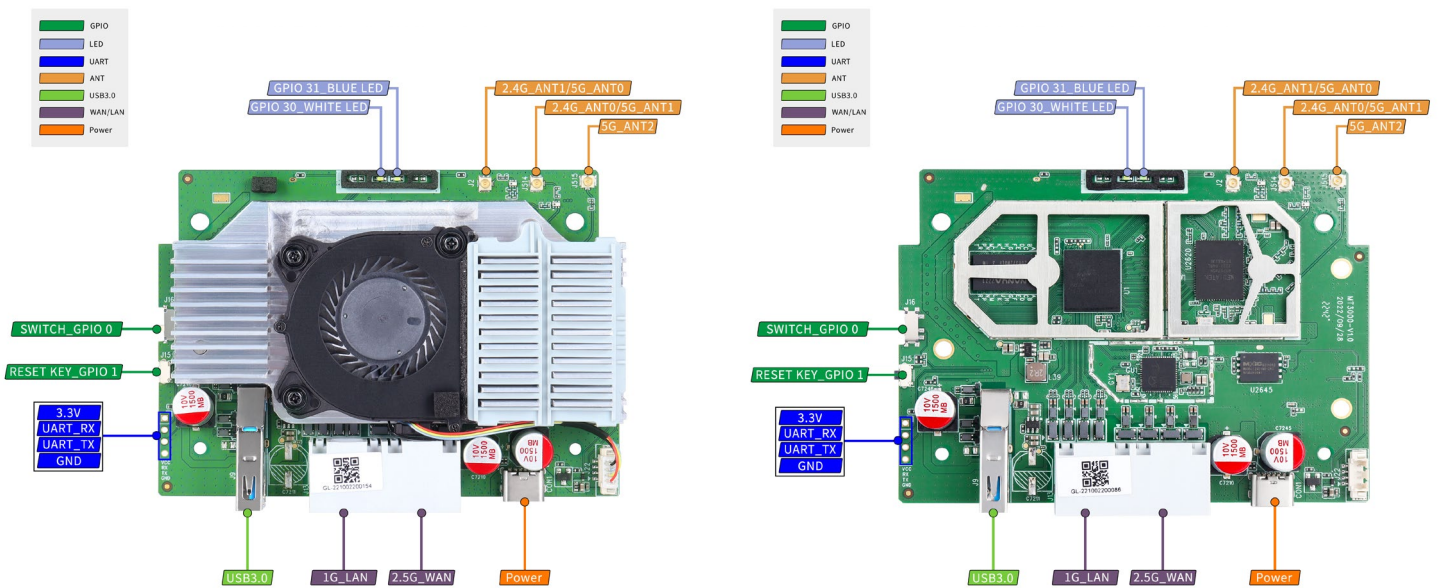
ENVIRONMENT

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 Beryl AX (GL-MT3000) Router
- 1 x Power Adapter
- 1 x Ethernet Cable
- 1 x Warranty Card
- 1 x User Manual

PINOUT



CONTACT US

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