

## Datasheet (GL-MT3000)

# Meet Beryl AX

## Pocket-sized Wi-Fi 6 Home & Travel Router



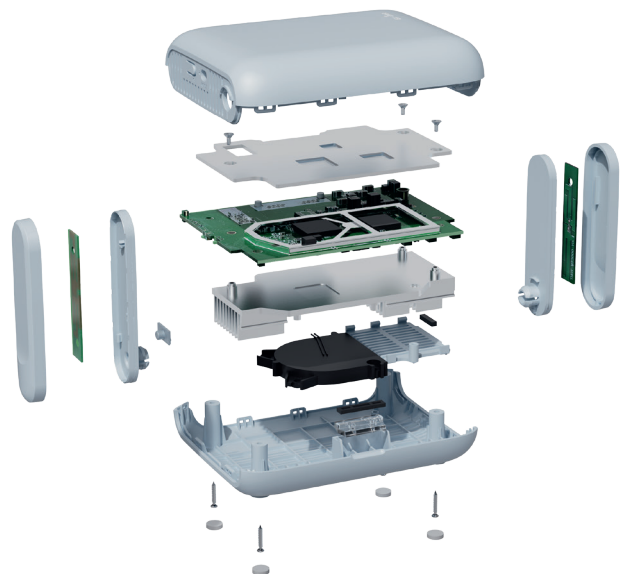
Beryl AX (GL-MT3000) is an AX3000 pocket-sized travel router that uses the Wi-Fi 6 protocol. It offers an internet speed of 574Mbps (2.4GHz) and 2402Mbps (5GHz), with a combined maximum Wi-Fi speed of 3000Mbps. It is also capable of running OpenVPN at 150 Mbps and WireGuard at 300 Mbps. Its powerful 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 (GL-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 Beamforming 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 150Mbps using OpenVPN and 300Mbps 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 120 x 83 x 34mm 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 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

<b>CPU</b>	MT7981B 1.3GHz Dual-core Processor
<b>Memory / Storage</b>	DDR4 512MB / NAND Flash 256MB
<b>Wi-Fi</b>	802.11 b/g/n/ax, 574Mbps (2.4GHz) 802.11 a/g/n/ac/ax, 2402Mbps (5GHz)
<b>Internal Antennas</b>	1 x Antenna
<b>External Antennas</b>	2 x Antennas
<b>Ethernet Speed</b>	WAN Port: 1 x 2.5G Port (10/100/1000/2500Mbps) LAN Port: 1 x 1G Port (10/100/1000Mbps)
<b>Power Consumption</b>	<8W
<b>Dimension / Weight</b>	120 x 83 x 34mm (L*W*H) / 196g

## SOFTWARE FEATURES

<b>Operating System</b>	OpenWrt v21.02
<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>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

<p><b>Display Flow Statistics</b> <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><b>Client List</b></p>	<p>Show current connected clients</p> <p>Disable a client (no internet access)</p>
<p><b>Firewall Function</b></p>	<p>Port forwarding, open port, DMZ</p>
<p><b>VPN</b></p>	<p>OpenVPN client &amp; server</p> <p>WireGuard client &amp; server</p> <p>Maximum OpenVPN Speed: 150Mbps</p> <p>Maximum WireGuard Speed: 300Mbps</p> <p>Policy routing</p>
<p><b>System Function</b></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

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

## CERTIFICATION

- CE
- MIC
- WEEE
- UKCA
- FCC
- RoHs
- 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 Beryl AX (GL-MT3000) Router

1 x Power Adapter

1 x Ethernet Cable

1 x Warranty Card

1 x User Manual

1 x Thank-You Card

## CONTACT US

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