

Datasheet (GL-MT3600BE)

Beryl 7

BE3600 Dual-band Wi-Fi 7 Travel Router



Beryl 7 (GL-MT3600BE) is a compact dual-band Wi-Fi 7 portable router engineered for high-performance on-the-go connectivity. It achieves wireless speeds of up to 688Mbps (2.4GHz) and 2882Mbps (5GHz), enhanced by two external antennas for extended and stable coverage. The router features a USB 3.0 port for network sharing via 4G/5G dongles or storage access, and a flexible Type-C port that supports PD input for easy power supply while traveling or in mobile settings. Built on an OpenWrt-based system, it offers advanced customization and multi-WAN support. Its pocket-sized design ensures easy portability, making it an ideal solution for remote workers, rental units, and compact living spaces.

Highlights

Powerful Performance, Blazing VPN Speed

Powered by a 2.0 GHz quad-core CPU and 512MB RAM, Beryl 7 delivers stable connections for over 120 devices simultaneously. Dual 2.5GbE ports ensure ultra-fast wired connectivity and device linking, while USB-C power with PD support allows flexible operation via laptop chargers or power banks. It also achieves exceptional VPN speeds up to 1100 Mbps with WireGuard® and 1000 Mbps with OpenVPN (DCO support).



Advanced Wi-Fi 7 Technology

Beryl 7 features key Wi-Fi 7 advancements, including Multi-Link Operation (MLO), 4K QAM, and preamble puncturing, to deliver robust, high-speed connectivity for bandwidth-intensive applications. These technologies minimize latency and ensure stable performance in crowded environments, making it ideal for mobile work and secure remote access.

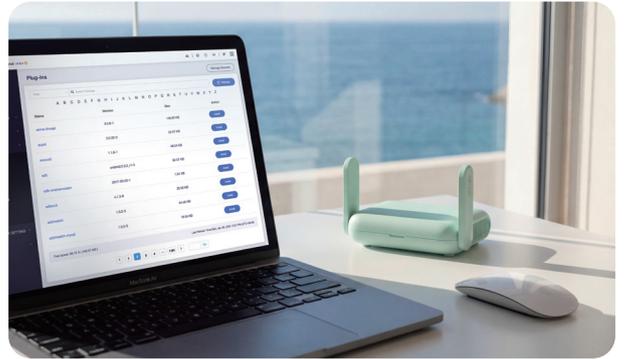


Flexible Network Access

Beryl 7 is equipped with a USB 3.0 port that enables network storage sharing from attached drives or SSDs. Its 5V/2A power output reliably supports most 4G/5G dongles for instant internet access. The built-in tethering function can also wirelessly extend an existing mobile hotspot, increasing the number of supported client devices.

Customizable Based on OpenWrt SDK

Running on the OpenWrt SDK, Beryl 7 unlocks extensive customization and advanced networking features. Its 512MB of flash storage allows the installation of various OpenWrt packages, supporting advanced traffic monitoring, firewall policies, and custom network setups.



Multi-WAN Connectivity

Beryl 7 supports multiple WAN connections to reinforce network stability. Integrated load balancing distributes traffic efficiently to prevent congestion, while automatic failover maintains connectivity in case of network interruptions.

Specifications

HARDWARE	
CPU	MediaTek, Quad-core @2.0GHz
Memory / Storage	DDR4 512MB / 512 MB NAND Flash
Wi-Fi	2.4GHz: 802.11a/b/g/n/ac/ax/be, 688Mbps 5GHz: 802.11a/b/g/n/ac/ax/be, 2882Mbps
Antenna	2 x External Antennas
Ethernet Speed	WAN Port: 1 x 2.5G Port (100/1000/2500 Mbps) LAN Port: 1 x 2.5G Port (100/1000/2500 Mbps)

Power Consumption	<12W (Without USB load)
Dimension / Weight	120 x 83 x 34mm (L*W*H) / 205g

SOFTWARE FEATURES

Operating System	OpenWrt 21.02 (Kernel Version 5.4.281)
Network Mode	Routing, AP, Wireless Bridge, WDS
Ethernet Dialing Mode	DHCP, Static, PPPoE
Repeater Mode	Scans and Connects to SSID Connects to Hidden SSID
System Function	Wireless AP On/Off Control SSID Modification and Hiding Encryption Mode and Password Configuration Channel and Bandwidth Configuration Transmission Power Adjustment Guest SSID
Flow Statistics Display (Cloud Platform Required)	Product Model, Device Name, IP Address, and MAC Address Current Data Rate Flow Statistics QoS Settings
Client List	Display of Connected Clients Client Access Control (Block Internet Access)
Firewall Function	Port Forwarding Port Management (Open Port) DMZ
VPN	OpenVPN (Client & Server, up to 1000 Mbps, DCO supported) WireGuard® (Client & Server, up to 1100 Mbps) Policy Routing

System Function

Restart
 Restore Factory Settings
 DDNS
 Encrypted DNS
 Drop-in Gateway
 Firmware Upgrade
 Change Time Zone
 MAC Address Clone
 Local Web Management
 SSH Remote Management
 Cloud Device Management
 Installing / Uninstalling Packages
 Multi-WAN, Load-Balancing, Failover
 Change IP Address Range on LAN Side

INTERFACE**Ethernet Port**

1 x 2.5G WAN, 1 x 2.5G LAN

USB Port

1 x USB3.0 Type-A (Max. output: 5V/2A)

LED Indicator

1 x Dual-color LED Indicator (White / Blue)

Reset Button

1 x Reset Button
 (Press (>3s, <8s) to restore network settings to device initial state;
 long press (>=8s) to restore factory settings)

Power Port

1 x USB Type-C (Power input: 5V/3A, 9V/3A, 12V/2.5A)

CERTIFICATION

- CE
- FCC
- REACH
- IC
- RoHS
- WEEE
- California Proposition 65
- MIC
- RCM
- SRRC (CN)

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 CONTENTS

- 1 x Beryl 7 (GL-MT3600BE) Router
- 1 x Power Adapter (US)
- 1 x Ethernet Cable
- 1 x USB-C Power Cable
- 3 x Converters (EU, UK, and AU Plugs)
- 1 x User Manual
- 1 x Warranty Card

CONTACT US

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