

Datasheet (GL-BE14000)

Flint 4 BE14000 Tri-band Wi-Fi 7 Home Router



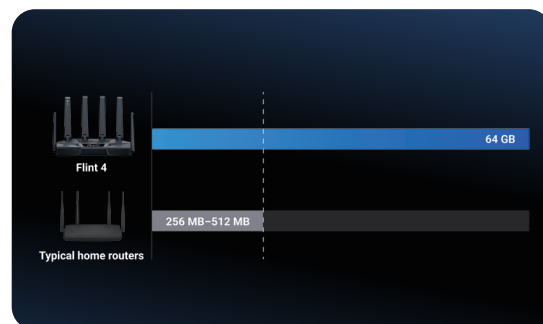
Flint 4 is a high-performance Wi-Fi 7 router designed to serve as the networking core of demanding connected environments. Built for high-traffic homes, power users, homelab, SOHO setups, and small business networks, it combines high-capacity wireless connectivity, extensive Multi-gigabit interfaces, and advanced network management in one powerful platform.

Highlights

High-Performance Hardware for Demanding Networks

Powered by the MediaTek Filogic 880 platform and 2 GB of DDR4 memory, Flint 4 is designed to handle high-throughput data forwarding, encrypted VPN traffic, multiple connected devices, and simultaneous network services.

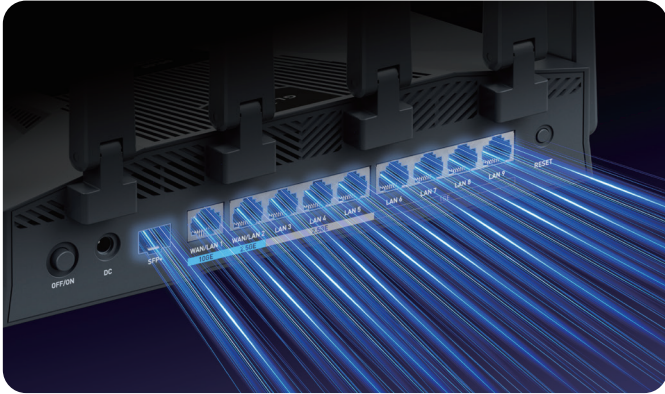
Its built-in 64 GB eMMC storage provides additional capacity for system functions, applications, logs, and advanced network customization.



Tri-Band Wi-Fi 7 with Multi-Link Operation

Flint 4 supports tri-band Wi-Fi 7 connectivity across the 2.4 GHz, 5 GHz, and 6 GHz bands. Multi-Link Operation allows compatible devices to transmit data across multiple wireless links. This helps improve throughput, reduce latency, and maintain more stable connections in busy network environments. Flint 4 is ideal for bandwidth-intensive activities such as high-resolution streaming, online gaming, video conferencing, cloud-based workflows, and large file transfers.





Multi-Gigabit Wired Connectivity

Flint 4 provides an extensive range of wired network interfaces:

- 1 x 10G WAN/LAN Ethernet Port
- 1 x 10G SFP+ WAN/LAN Port
- 1 x 2.5G WAN/LAN Ethernet Port
- 3 x 2.5G LAN Ethernet Ports
- 4 x 1G LAN Ethernet Ports

The dedicated 10GbE and 10G SFP+ interfaces provide high-speed connectivity for multi-gigabit internet services, NAS systems, servers, network switches, creative workstations, and Homelab environments.

The additional 2.5G and Gigabit Ethernet ports allow Flint 4 to serve as the central wired network hub for homes and small professional environments with multiple connected systems.

VPN Performance up to 1.5 Gbps

Flint 4 supports both VPN Client and VPN Server functionality, with WireGuard® and OpenVPN-DCO performance of up to 1.5 Gbps under controlled laboratory testing conditions.

Flint 4 supports 30+ VPN service providers, giving users the flexibility to choose a service that meets their privacy, security, and connectivity needs.



Intuitive 2.4-Inch Touchscreen

The integrated 2.4-inch touchscreen provides convenient access to essential network information and commonly used controls. Users can view network and system status directly from the router and access selected controls without opening the web administration panel or a mobile application.

Flexible OpenWrt-Based System

Flint 4 runs on OpenWrt 21.02-based firmware with Linux Kernel 5.4, providing extensive flexibility for network configuration and customization. The GL.iNet Admin Panel offers a streamlined interface for initial setup and everyday network management. Advanced users can also access LuCI and compatible packages from the broader OpenWrt ecosystem for more detailed network control. This combination makes Flint 4 easy to use while retaining the flexibility required by homelab users, developers, and network professionals.



Dual USB 3.0 Expansion

Flint 4 includes:

- 1 × USB 3.0 Type-A port
- 1 × USB 3.0 Type-C port

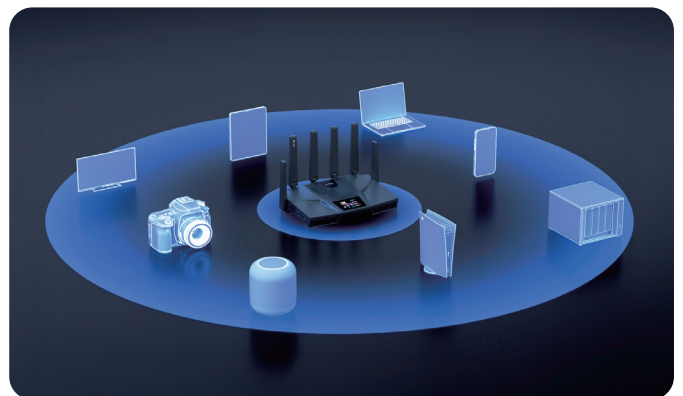
The USB interfaces support compatible external storage devices and selected peripherals. With external storage connected, Flint 4 can support lightweight network file sharing, local backups, and media streaming across the network.

Built for High-Density Networks

Flint 4 supports up to 250 connected devices under controlled laboratory testing conditions and provides wireless coverage of up to 3,100 sq. ft.

It is designed to maintain stable connectivity across smart TVs, computers, smartphones, IoT devices, gaming systems, and connected office equipment, making it suitable for high-traffic homes and small professional environments.

**Coverage, device capacity, and performance figures are based on internal testing. Actual results vary depending on building layout, interference, client capabilities, bandwidth usage, VPN configuration, and network conditions.*



Specifications

HARDWARE	
CPU	MediaTek, Quad-core Cortex-A73 @1.8 GHz
Memory / Storage	2 GB DDR4 / 64 GB eMMC
Wi-Fi	2.4 GHz: 802.11 b/g/n/ax/be, 2x2, up to 688 Mbps 5 GHz: 802.11 a/n/ac/ax/be, 3x3, up to 4323 Mbps 6 GHz: 802.11 ax/be, 3x3, up to 8646 Mbps
Antennas	6 x Foldable External Wi-Fi Antennas
Power Consumption	Without USB Load: <25W With USB Load: <45W
Housing Material	ABS+PC
Installation Method	Desktop or wall-mounted
Dimension / Weight	293*172*76mm / 1166g

SOFTWARE FEATURES	
Operating System	OpenWrt 21.02 (Kernel Version 5.4)
Network Mode	Router AP Extender WDS
Ethernet Dialing Mode	DHCP,Static IP,PPPoE
Repeater Mode	Scan and connect to SSID Connect to hidden SSID

Internet Connection Method	Ethernet Repeater Tethering
Wireless Configuration	2.4 GHz / 5 GHz / 6 GHz / MLO Wi-Fi Wireless AP On/Off Control SSID Modification and Hiding Encryption Mode and Password Configuration Channel and Bandwidth Configuration Transmission Power Adjustment Randomized BSSID Support Guest SSID IoT Network PSC (Preferred Scanning Channel) Support in 6 GHz
Flow Control	Network Quality Data Statistics Content Filter QoS SQM Parental Control
Client List	Display of Connected Clients Client Access Control (Block Internet Access)
Firewall Function	Port Forwarding Port Management (Open Port) DMZ
VPN	OpenVPN DCO (Client & Server, up to 1.5 Gbps) WireGuard (Client & Server, up to 1.5 Gbps) Policy Routing VPN Failover Kill Switch Tor
Cloud Service	GoodCloud

System Function

- Restart
- Restore Factory Settings
- Change IP Address Range on LAN Side
- Change Time Zone
- MAC Address Clone
- Encrypted DNS
- Dynamic DNS
- Cloud Remote Management
- Remote Web Management
- Remote SSH Management
- Installing / Uninstalling Packages
- Multi-WAN (Failover)
- IPv6
- VLAN Segmentation
- DPI Engine
- Data Statistics
- Content Filter
- QoS
- SQM (Smart Queue Management)
- AdGuard Home
- Parental Control
- ZeroTier
- Tailscale
- Drop-in Gateway
- IP Address Reservation
- Link Aggregation
- Scheduled Tasks
- Network Storage (Samba, WebDAV, and DLNA)

INTERFACE

Ethernet Port

- 1 x 10G WAN/LAN Ethernet Port
- 1 x 10G SFP+ WAN/LAN Port
- 1 x 2.5G WAN/LAN Ethernet Port
- 3 x 2.5G LAN Ethernet Ports
- 4 x 1G LAN Ethernet Ports

USB Port

- 1 x USB 3.0 Type-A
- 1 x USB 3.0 Type-C

Touchscreen

- 1 x 2.4-inch Touchscreen

Power Button

- 1 x Power Button

Reset Button

- 1 x Reset Button

Power Port

- 1 x DC Jack (12V/4A, 5.5*2.1 mm)

CERTIFICATION

- CE
 - EUCC
 - RCM
 - IC
 - RoHS
 - OFCA
- WEEE
 - ErP
 - UK PSTI
 - REACH
 - MIC

ENVIRONMENT

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

PACKAGE CONTENTS

- 1 x Flint 4 (GL-BE14000) Router
- 1 x Power Adapter
- 1 x Ethernet Cable
- 1 x Converter
- 1 x Regional Plug Adapter
- 1 x User Manual
- 1 x Warranty Card

CONTACT US

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