Datasheet (GL-BE9300)

Flint 3

Tri-brand Wi-Fi 7 Router

Flint 3 (GL-BE9300) is a tri-band Wi-Fi 7 home router delivering a combined speed of up to 9300 Mbps (688 Mbps @ 2.4GHz, 2882 Mbps @ 5GHz, 5765 Mbps @ 6GHz), featuring MLO technology for seamless multi-band connectivity. Equipped with five 2.5G Ethernet ports, including four supporting 10Gbps aggregation, ensuring ultra-fast wired performance.
With 1GB of built-in storage for system stability, it supports WAN/LAN switching, load balancing, and Multi-WAN for flexible network configurations and uninterrupted connectivity. It is the next-gen networking solution for SMBs, professionals, and power users seeking uncompromised speed, flexibility, and scalability.

Highlights

Stable & Flexible Connectivity

Flint 3 offers five high-speed 2.5G Ethernet ports and a USB 3.0 port for fast data processing. One Ethernet port supports WAN/LAN switching, allowing businesses to optimize network configurations for flexible connectivity.

Advanced Cooling for Uninterrupted Network Performance

Flint 3 combines active and passive cooling. At 25°C, the fan efficiently dissipates heat without affecting performance. Even at 40°C, it runs over 30,000 hours with intelligent speed control, keeping noise below 30dB at 50cm. This efficient thermal design extends the lifespan of the device and ensures uninterrupted high-performance connectivity for businesses.

Tri-Band MLO

With Wi-Fi 7's MLO, Flint 3 delivers multi-band (2.4GHz, 5GHz, 6GHz) performance, reducing latency and optimizing bandwidth efficiency. Intelligent load balancing optimizes data transmission efficiency to enable smooth HD streaming, real-time collaboration, and enterprise applications that demand high bandwidth.
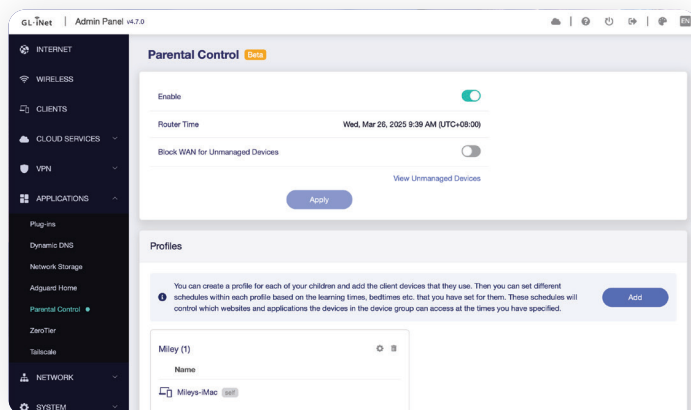
Powerful Signal Penetration and Coverage

The 6GHz Wi-Fi PSC feature quickly locks onto stable channels, optimizing connection quality. Six high-performance FEMs boost signal strength and coverage, while high-gain, low-VSWR external antennas enhance Wi-Fi penetration, coverage and high-capacity connectivity, ensuring efficient wireless performance for modern office networks.

Parental Controls

Flint 3 offers robust Parental Controls with both Local and Bark options, easily accessible through the GL.iNet app or admin panel. In partnership with Bark, an award-winning child-monitoring tool, we enhance online protection for families. Features like Internet access scheduling and website filtering help parents effectively manage their children's online experience.

Secure Network Experience

Built-in AdGuard Home can block ads for a cleaner browsing experience. It supports multiple device connections and centralized management, with intelligent filtering to strengthen privacy protection, reduce malware and tracking risks. Customizable rules enable precise content blocking, ensuring a secure and fast network for home and office.
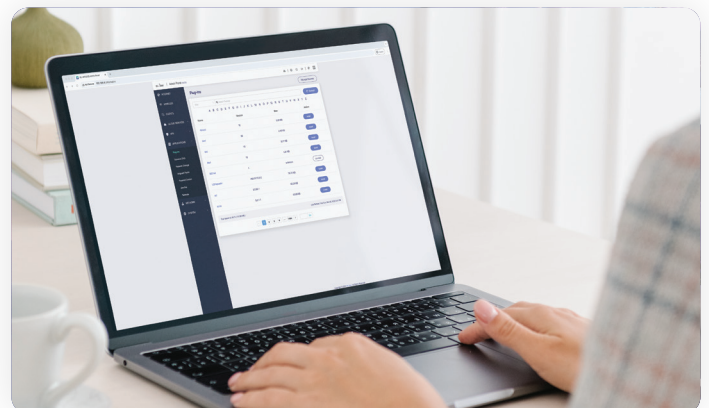
Dual Solution for Personal and Enterprise Network Management

- GoodCloud: Free cloud platform for centralized multi-device remote management, site-to-site networking, device monitoring, and configuration.

- Value-Added Reseller (VAR) Platform: Enterprise-level tool for white Label customization, reseller and organization management, batch operations, diagnostics, and private deployment to ensure data security.

- AstroWarp: Advanced platform for remote network and device management, cross-network control, and future hardware-level integration.

OpenWrt v23.05

Built on OpenWrt v23.05 (Kernel Version 5.4.213), Flint 3 supports 5,000+ plugins for network customization. The SDK 4.7 firmware features a user-friendly interface, simplifying configuration and deployment. Its high customizability meets diverse business networking needs.

Specifications

HARDWARE

CPU	Qualcomm Quad-core @1.5GHz
Memory / Storage	DDR4 1GB / eMMC 8GB
Wi-Fi	2.4GHz: 802.11 b/g/n/ax/be, 2x2 688Mbps 5GHz: 802.11 a/n/ac/ax/be, 2x2 2882Mbps 6GHz: 802.11 ax/be, 2x2 5765Mbps
Antennas	4 x Foldable External Wi-Fi Antennas
Ethernet Speed	5 x 2.5G Ports (10/100/1000/2500Mbps)
Power Consumption	Without USB Load: < 25W With USB Load: < 37.2W
Dimension / Weight	240 x 157 x 74 mm / 848g

SOFTWARE FEATURES

Operating System	OpenWrt 23.05 (Kernel Version 5.4.213)
Network Mode	Router, Access Point, Extender, WDS
Ethernet Dialing Mode	DHCP, Static IP, PPPoE
Repeater Mode	Scans and connects to SSID Connects to hidden SSID
Internet Connection Method	Ethernet Repeater Tethering Cellular Supported Failover, Load Balance

Wireless Configuration	2.4GHz/5GHz/6GHz/MLO Wi-Fi Guest Network Isolation PSC (Preferred Scanning Channel) in 6GHz Modifying and hiding SSID Modifying transmission power Enable Randomized BSSID
Cloud Services	GoodCloud, AstroWarp
VPN	OpenVPN (Client & Server, supports OpenVPN-DCO) WireGuard (Client & Server) OpenVPN Max Speed: 680Mbps (with DCO support) WireGuard VPN Max Speed: 680Mbps Policy routing Tor
System Function	Dynamic DNS Adguard Home Parental Control ZeroTier Tailsacle Port Forwarding, DMZ, IP Address Reservation IPv6 Drop-in Gateway

INTERFACE

Ethernet Port	1 x 2.5G WAN, 4 x 2.5G LANs
USB Port	USB3.0 Type-A + 5V/2A
LED Indicator	1 x Dual-Color LED Indicator
Reset Button	Press (>3s, <8s) to restore network settings to device initial state Long press (>=8s) to restore factory settings
Power Port	DC5521, 12V/4A (5.5*2.1mm)

CERTIFICATION

- CE
- RCM
- IC
- FCC
- MIC
- RoHS
- WEEE
- CP65

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 Flint 3 (GL-BE9300)
1 x Power Adapter
1 x Ethernet Cable
1 x Warranty Card
1 x User Manual
1 x Converter

CONTACT US

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