Datasheet (GL-AX1800)



Meet Flint

- Secure and Ultra Fast Wi-Fi 6 Wireless Router

Flint (GL-AX1800) is a dual-band Wi-Fi 6 wireless router designed for heavy-duty home and office applications. It offers a combined Wi-Fi speed of 1800 Mbps (600 Mbps for 2.4GHz and 1200 Mbps for 5GHz), with high connection stability, and minimal network congestion. Flint comes with MU-MIMO and OFDMA technology, which is most effective in maintaining ultra-low latency connections during heavy data usage under mass device connectivity scenarios.

Highlights

Ultra-Fast VPN Encryption

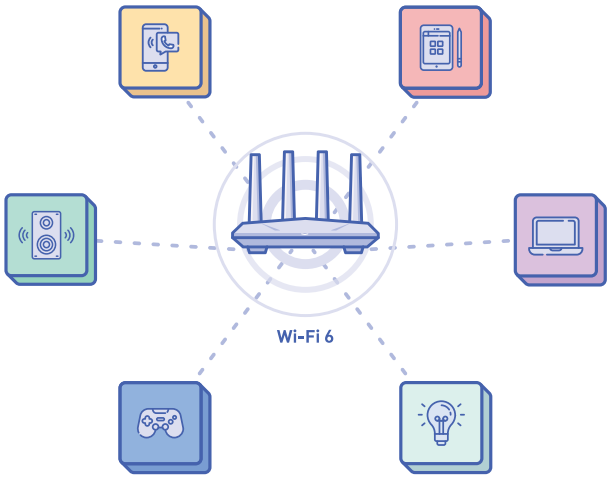
Flint is pre-installed with OpenVPN (Maximum 500Mbps, with DCO support) and and WireGuard® (Maximum 667Mbps) supporting 30+ VPN services. It automatically encrypts all network traffic within the connected network, including guest devices and client devices that are not capable of running VPN encryption. Flint can also act as a VPN server, redirecting traffic from client devices in remote locations to the VPN server via a VPN tunnel before accessing the public internet.

AirVPN · ANONINE · AstrillVPN · AZIREVPN · bolehvpn · CactusVPN · cryptostorm · CyberGhost · ExpressVPN · FASTESTVPN · FinchVPN · HideIPVPN · HIDEme · HMA · IPVANISH · IVACY · IVPN · MULLVAD VPN · NordVPN · OVPN · Private Internet ACCESS · PrivateVPN · ProtonVPN · PUREVPN · SAFERVPN · SpiderVPN · STRONG VPN · Surfshark · TORGUARD · TRUST.ZONE · VPN.ac · VPN Unlimited · WeVpn · windscribe · 12VPN

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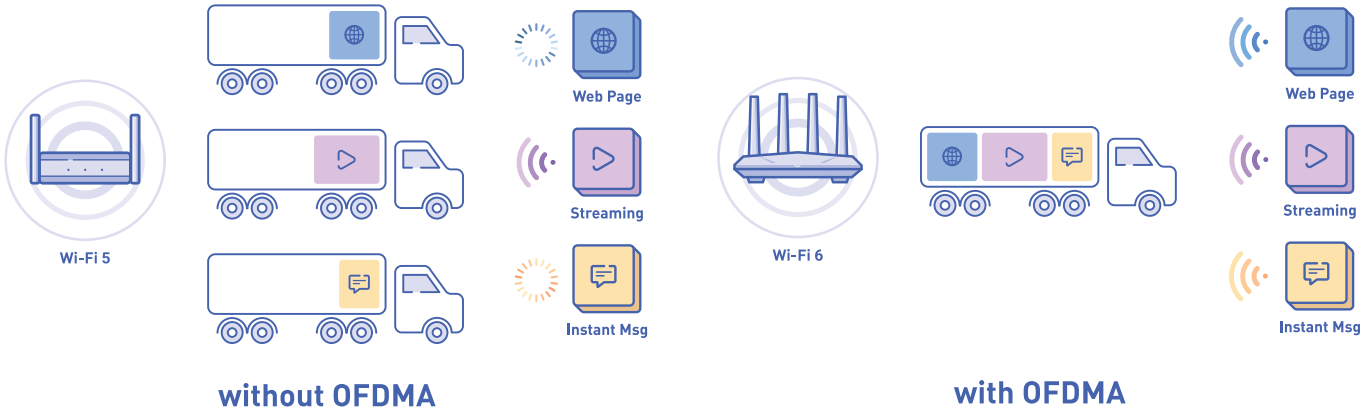
Mass Device Connectivity MU-MIMO Technology

Flint comes with MU-MIMO. It processes multiple data streams from client devices simultaneously, instead of queuing network traffic into one data stream, reducing the queuing delay in high density networks.



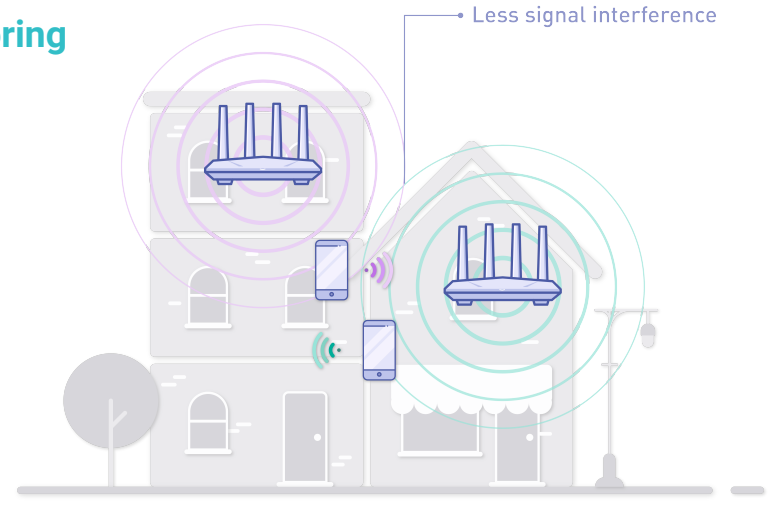
Multi-device Transmission Efficiency OFDMA Technology

Flint comes with OFDMA technology (orthogonal frequency division multiple access). It lets multiple devices receive data from a single transmission, drastically improving the transmission efficiency when connected to multiple devices.



Stability Improvement using BSS Coloring

Flint comes with Base Service Station Coloring (BSS Coloring), it measures operating Wi-Fi channel thresholds, and automatically selects a channel with loose thresholds (Minimal usage) for connectivity.
BSS Coloring improves the connection stability by minimizing the router's risk of potentially picking up signal interference.



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Specifications

HARDWARE	
CPU	IPQ6000 Quad-core, @1.2 GHz
Memory / Storage	DDR3L 512MB / NAND Flash 128MB
Wi-Fi	802.11 a/b/g/n/ac/ax, 2x2 600Mbps (2GHz) 802.11 a/b/g/n/ac/ax, 2x2 1200Mbps (5GHz)
External Antennas	4 x 2.4GHz + 5GHz two-in-one Wi-Fi Antennas
Ethernet Speed	10/100/1000 Mbps
Power Consumption	Normal operating consumption: <6W Operating at full capacity: <11W
Dimension / Weight	210 x 120 x 36.8mm (L*W*H) / 445g

SOFTWARE FEATURES	
Operating System	OpenWrt
Network mode	Routing, AP, Wireless Bridge, Wired Bridge
Ethernet Dialing Mode	DHCP, Static, PPPoE, Tethering
Repeater Mode	Scans and connects to SSID Connects to hidden SSID

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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
Firewall Function	Port forwarding, open port, DMZ
VPN	OpenVPN client & server WireGuard client & server Maximum OpenVPN Speed: 500Mbps (with DCO support) Maximum WireGuard Speed: 500Mbps Policy routing
System Function	Restart Restore factory settings Change IP address range on LAN side Change time zone MAC address clone Advanced DNS Cloud remote management Remote web management Remote SSH management Installing / uninstalling packages

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INTERFACE

Ethernet Port	4 x LAN, 1 x WAN
USB Port	1 x 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	DC5521, 12V/1.5A (55*21*11mm)

CERTIFICATION

- CE
- FCC
- MIC
- Rosh
- WEEE
- CCC

ENVIRONMENT

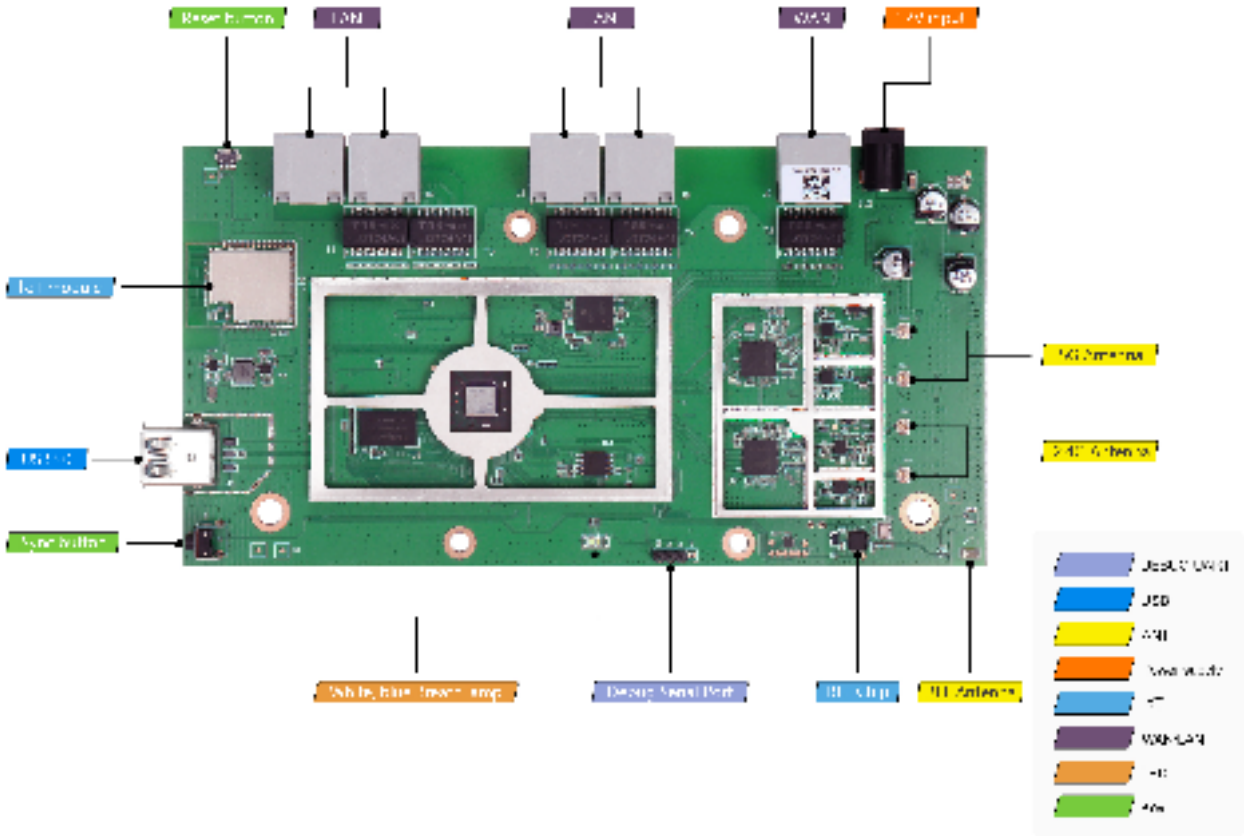
Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	5%~95%, non-condensing
Storage Humidity	5%~95%, non-condensing

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PACKAGE LIST

1 x Flint (GL-AX1800) Router
1 x Power Adapter (12V/1.5A)
1 x Ethernet Cable
1 x Warranty Card
1 x User Manual

PINOUT



CONTACT US

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