

Datasheet (GL-E5800)

Mudi7 5G NR Tri-band Wi-Fi 7 Travel Router



As GL.iNet's first tri-band Wi-Fi 7 travel router, Mudi 7 (GL-E5800) is designed for road warriors and business travelers who demand fast, secure, and reliable connectivity on the move. With high-speed 5G and coverage across 2.4GHz, 5GHz, and 6GHz bands, it provides exceptional wireless performance for urban environments, remote worksites, and travel scenarios.

Featuring 320MHz channels and 4K QAM, Mudi 7 delivers high throughput and stable connections for multiple devices. A responsive touchscreen interface lets users instantly check connection status, toggle VPNs, share Wi-Fi via QR codes, and manage repeater settings directly—without accessing an admin panel or mobile app—for a seamless networking experience.

Highlights

Reliable Connectivity, Advanced Security

Mudi 7 delivers high-speed 5G connectivity up to 4.67 Gbps, enhanced by tri-band Wi-Fi 7 and built-in VPN capabilities to provide secure, high-performance networking. To ensure connection continuity, it supports automatic failover between Ethernet, Wi-Fi repeater, USB tethering, and cellular links. Advanced encryption and security features further protect data transmission for professional use.



Dual-network Backup, Effortless Switching

Mudi 7 supports eSIM and Dual SIM Dual Standby (DSDS), enabling fast, one-tap switching between networks for seamless connectivity. With two SIMs from different operators, users can easily switch to an alternative network when coverage or performance degrades, ensuring more reliable connections.

High-performance Wired and USB Connectivity

Mudi 7 simplifies connectivity with dual USB Type-C ports, including one dedicated power port and one USB 3.1 port supporting up to 10 Gbps data transfer, USB tethering, and USB OTG. By integrating power, data, and networking over USB-C, it reduces clutter and supports standard Type-C PD input for streamlined travel setups. A 2.5GbE port further enhances wired performance for 4K streaming and large file transfers.



Note: When using Mudi 7 in an RV or in-vehicle environment, the battery must be removed.

Unshakable Connectivity, Unlimited Versatility

Equipped with two TS-9 antenna ports, Mudi 7 supports external antennas to enhance cellular signal reception in challenging environments. This makes it well suited for RVs, basements, or indoor deployments, helping maintain stable and reliable connectivity where signal strength is limited.

Long-lasting Battery with PD Fast Charging

Equipped with a 5380mAh battery, Mudi 7 delivers up to 13.5 hours of operation without relying on a power outlet. With support for 24W PD fast charging, it minimizes downtime and enables quick recharging between uses, making it well-suited for extended travel and mobile work scenarios.



Intelligent Touchscreen Control

Mudi 7 features a 2.8" LCD touchscreen that allows configuration and management without an app or laptop. Beyond simple status monitoring, the screen supports advanced operations such as switching SIM cards, toggling VPN clients, managing connected devices, and even displaying custom notes, giving you full control of your device and network.

Specifications

HARDWARE

5G Platform	Qualcomm Dragonwing MBB Gen 3 (X72)
CPU	Qualcomm, Quad-core @2.2GHz
Memory / Storage	LPDDR4X 2GB / 8GB eMMC
Wi-Fi	2.4GHz: 802.11a/b/g/n/ac/ax/be, 688Mbps 5GHz: 802.11a/b/g/n/ac/ax/be, 2,882Mbps 6GHz: 802.11a/b/g/n/ac/ax/be, 5,765Mbps *Dual-band Simultaneous (DBS): 2.4GHz only, 5GHz only, 6GHz only, 2.4GHz + 5GHz, or 2.4GHz + 6GHz.
Wireless Protocol	IEEE 802.11 a/b/g/n/ac/ax/be
Antenna	8 x Internal Antennas (6 x cellular antennas, 2 x 2.4GHz & 5GHz & 6GHz Wi-Fi antennas) 2 x TS-9 Ports (For external cellular antennas)
eSIM	1 x Onboard eSIM
Battery Life	Up to 13.5 hours (Continuous lightweight workload)
Ethernet Speed	WAN/LAN Port: 100/1000/2500Mbps
Power Consumption	<30W
Dimension / Weight	157 x 75 x 22.8mm / 300g

SOFTWARE FEATURES

Operating System	OpenWrt 22.03 (Linux Kernel Version 5.15)
Network Mode	Routing, AP, Extender
Ethernet Dialing Mode	DHCP, Static, PPPoE

Repeater Mode	Scans and Connects to SSID Connects to Hidden SSID
Wireless Configuration	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 DMZ
VPN	OpenVPN (Client & Server, up to 700 Mbps, DCO supported) WireGuard (Client & Server, up to 600 Mbps)
System Function	Restart Restore Factory Settings MAC Clone Local Web Management SSH Remote Management Cloud Device Management Multi-WAN, Load-balancing, Failover DDNS Encrypted DNS Firmware Upgrade Change Time Zone Install / Uninstall Packages Change IP Address Range on LAN Side

INTERFACE

Ethernet Port	1 x 2.5G WAN/LAN
Screen	2.8 Inch Color LCD Touchscreen
SIM Card Slot	2 x Nano SIM Card Slots
USB Port	1 x USB Type-C (Power only; power input & output) 1 x USB Type-C (10 Gbps; power input & output, USB tethering, USB OTG)
Power Input	USB PD/PPS 5-12V, 30W Max
Power Output	5V/1.5A
Power Button	1 x Power Button (Long press to power on/off the device; short press to turn the screen on/off)
Reset Button	1 x Reset Button (Press (>3s, <8s) to restore network settings to device initial state; long press (>=8s) to restore factory settings)

FREQUENCY BANDS

Product Code	GL-E5800NA	GL-E5800EU
5G NR Connectivity	3GPP Rel-17 NSA/SA operation, Sub-6GHz	
5G NR NSA	n2 / n5 / n7 / n12 / n14 / n25 / n26 / n30 / n38 / n41 / n48 / n66 / n71 / n77 / n78	n1 / n3 / n5 / n7 / n8 / n20 / n26 / n28 / n38 / n40 / n41 / n75 / n77 / n78
5G NR SA	n2 / n5 / n7 / n12 / n13 / n14 / n25 / n26 / n29 / n30 / n38 / n41 / n48 / n66 / n70 / n71 / n77 / n78	n1 / n3 / n5 / n7 / n8 / n20 / n26 / n28 / n38 / n40 / n41 / n75 / n77 / n78
LTE Category	Cat 20 (DL) / Cat 18 (UL)	
LTE-FDD	B2 / B4 / B5 / B7 / B12 / B13 / B14 / B17 / B25 / B26 / B29 / B30 / B66 / B71	B1 / B3 / B5 / B7 / B8 / B20 / B28 / B32

LTE-TDD	B38 / B41 / B42 / B43 / B48	B38 / B40 / B41 / B42 / B43
WCDMA	-	B1 / B5 / B8

CERTIFICATION

- CE
- FCC (RF, EMI, SAR)
- REACH
- DOE
- CEC
- NRCan
- IC
- RoHS
- WEEE
- California Proposition 65
- UN38.3
- CB

ENVIRONMENT

Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 45°C (-4°F to 113°F)
Operating Humidity	5%~95%, non-condensing
Storage Humidity	5%~95%, non-condensing

PACKAGE CONTENTS

- 1 x Mudi 7 (GL-E5800) Router
- 1 x Battery Pack (Pre-installed)
- 1 x 10Gbps USB-C Cable
- 1 x Travel Pouch
- 1 x User Manual

CONTACT US

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