

Datasheet (GL-E750V2)

Mudi V2

4G LTE Portable Travel Router



Cybersecurity and
Personal Privacy



An upgrade from its predecessor, Mudi V2 (GL-EV50V2) is a 4G LTE wireless router designed to help travelers stay connected and secure wherever they are. The router supports global carriers, suitable for traveling across different countries and continents. Designed with safety in mind, the router combines built-in VPN functionality with parental controls to keep travelers protected at all times.

Mudi V2 (GL-EV50V2) features a microSD card slot supporting up to 1TB, making it easy for travelers to store, share, and back up their files anywhere. It offers excellent battery performance, lasting up to eight hours on a single charge and the ability to be recharged in just four hours.

The travel router runs on GL.iNet's proprietary firmware based on OpenWrt (v22.03.4 Kernel version 5.150.176), offering users the ability for full customization. The travel router features multi-WAN, supporting failover and load balancing to ensure uninterrupted internet connectivity between the four supported connection methods (cellular, tethering, Wi-Fi, and ethernet).

Highlights

Compatible with Global Cellular Carriers

Mudi V2 (GL-E750V2) supports global cellular network providers, offering international travelers flexible cellular connectivity using local or roaming SIM cards.



Security Features to Keep Travelers Safe

Mudi V2 (GL-E750V2) offers built-in VPN functionality (OpenVPN and WireGuard), supporting over 30 VPN service providers to keep travelers protected on the go.

The travel router is equipped with parental controls via local settings and the award-winning third-party tool Bark. The parental features allow users to limit a device's screen time and exposure to certain content, ensuring children stay protected and focused throughout the trip.

WireGuard

Max. 50Mbps

OpenVPN

Max. 10Mbps



Reliable Connections

Mudi V2 (GL-E750V2) supports four internet connection methods—cellular, tethering, Wi-Fi, and ethernet. Featuring multi-WAN, the travel router supports failover and load balancing to ensure uninterrupted internet connectivity anywhere.



Ease of Use

GL.iNet offers two easy ways of setting up Mudi V2 (GL-E750V2) — via the GL.iNet app and the router's admin panel. Both setup methods help you get your internet up and running in minutes.

Supports MicroSD Card up to 1TB

Mudi V2 (GL-E750V2) features a microSD card slot supporting up to 1TB, making it easy for travelers to store, share, and back up their files anywhere in the world.



Improved Battery Performance

Equipped with a 7000mAh lithium polymer battery, Mudi V2 (GL-E750V2) lasts up to eight hours on a single charge and can be fully recharged in just four hours. Additionally, the travel router can function as a power bank to charge your external devices, such as smartphones, via its USB port.

Specifications

HARDWARE	
CPU	Qualcomm QCA9531, @650MHz
Memory / Storage	DDR2 128MB / NOR Flash 16MB + NAND Flash 128MB
Wi-Fi	802.11 b/g/n, 300Mbps (2.4GHz) 802.11 a/ac, 433Mbps (5GHz)
4G Module	CAT4 / CAT6
Internal Antennas	Cellular: 2 x Internal Full-Band Antennas (700MHz~2.7GHz) Wi-Fi: 2 x 2.4G & 1 x 5G
Ethernet Speed	10/100Mbps
Power Consumption	Operating at Full Capacity: <6W (Excluding USB External Devices)
Battery	Built-In 7000mAh Rechargeable Lithium Polymer Battery
Dimension / Weight	Router: 145 x 77.5 x 23.5mm (L*W*H) / 270g Port Replicator: 50.8 x 40 x 17.3mm (L*W*H)
SOFTWARE FEATURES	
Operating System	OpenWrt 22.03.4
Network Mode	Router, Access Point, Extender, WDS
Ethernet Connection Methods	DHCP, Static IP, PPPoE
Repeater Mode	Scans and Connects to SSID Connects to Hidden SSID

4G Modem	Automatic / Manual Settings Sets AT Command Receives SMS Display Signal Strength
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: 5+Mbps Maximum WireGuard Speed: 40+Mbps Policy Routing
System Function	Change IP Address Range on LAN side Change Time Zone Custom MAC Address Encrypted DNS Cloud Remote Management Remote Manage via Cloud/DDNS

INTERFACE	
Ethernet Port	1 x FE LAN/WAN Port (Supported with the Port Replicator)
SD Card Slot	TF Card (Maximum 1TB)
SIM Card Slot	Nano SIM card
USB Port	USB2.0 Type-A
Display Screen	0.96-Inch Monochrome OLED Display
Reset Button	Long Press (>=8s) to Restore Factory Settings
Power Port	USB Type-C Interface, 5V/2A Power Supply

CERTIFICATION	
	<div><div><ul style="list-style-type: none">• CE• RoHs• CP65</div><div><ul style="list-style-type: none">• FCC• WEEE</div></div>

ENVIRONMENT	
Operating Temperature	0~35°C (32 ~ 95°F)
Storage Temperature	-20~45°C (-4 ~ 113°F)
Operating Humidity	5%~95%, Non-Condensing
Storage Humidity	5%~95%, Non-Condensing

PACKAGE LIST

- 1 x Mudi V2 (GL-E750V2) Router
- 1 x Power Adapter
- 4 x Converters (US, EU, UK & AU)
- 1 x User Manual
- 1 x Warranty Card
- 1 x Ethernet Cable
- 1 x USB-C Port Replicator
- 1 x USB-C to USB-C Cable
- 1 x USB-A to USB-C Cable
- 1 x Pouch Bag
- 1 x Thank-You Card



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