

Datasheet (GL-XE300)

Meet Puli

- 4G LTE Portable IoT Gateway



Puli (GL-XE300) is a wireless IoT gateway that provides a reliable 4G LTE network and BLE connection. It is compactly designed and is equipped with a large capacity rechargeable battery. The device runs on highly customizable OpenWrt operating system and comes with our remote device management platform.

Puli (GL-XE300) is the advanced version of GL-MiFi. It comes with a more powerful chipset with faster processing and Wi-Fi speed.

Highlights

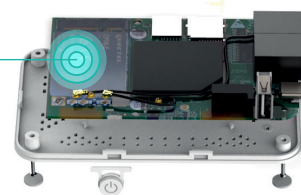
Rechargeable Battery

Puli has a built-in 5000mAh battery that supports continuous charging without damaging battery life. It is suitable for portable use or acts as an auxiliary power supply for power outage scenarios.

Reliable Cellular Network

Puli supports multiple connection methods including ethernet, 4G LTE, Wi-Fi repeater, and hotspot, ensuring an uninterrupted network. It is also equipped with two internal full-band antennas for extended range and improved wall-penetration capabilities.

Built-in 5000mAh Battery



Industrial 4G LTE Module

Secured Network

Puli is pre-installed with OpenVPN and WireGuard supporting 30+ VPN services, automatically encrypting all network traffic within the connected network. The network runs on the latest version of Internet Protocol IPv6, and It also supports Cloudflare DNS over TLS security protocol.



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)
4G Module	CAT 4 / CAT 6
BLE Module	Siliconlabs EFR32MG21
Internal Antennas	2 x Antennas
External Antennas	2 x 2.4GHz Wi-Fi 1 x Optional 4G LTE (MOQ applied)
Ethernet Speed	10/100 Mbps
Power Consumption	Normal operating consumption: <4W Operating at full capacity: <4.5W
Battery	5000 mAh Lithium Polymer Battery
Exterior Material	ABS Plastic
Dimension / Weight	120 x 74 x 27mm (L*W*H) / 223.5g

SOFTWARE FEATURES

Operating System	OpenWrt
Network mode	Routing, AP, Wireless Bridge, Wired Bridge
Ethernet Dialing Mode	DHCP, Static, PPPoE
Repeater Mode	Scans and connects to SSID Connects to hidden SSID
4G Modem	Automatic / Manual setting Sets AT command Receives SMS Display signal strength
BLE	Scans and receives BLE broadcasting signals
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 WPA3 encryption
Display Flow Statistics (Cloud Platform Required)	Display product model, name, IP address, MAC address Current rate Flow statistics QoS settings
Client List	Show current connected clients Disable a client (no internet access)
Firewall Function	Port forwarding, open port, DMZ

VPN	OpenVPN client & server WireGuard client & server Maximum OpenVPN speed: 10Mbps Maximum WireGuard speed: 38Mbps 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 Samba service for sharing file Captive Portal IPV6

INTERFACE

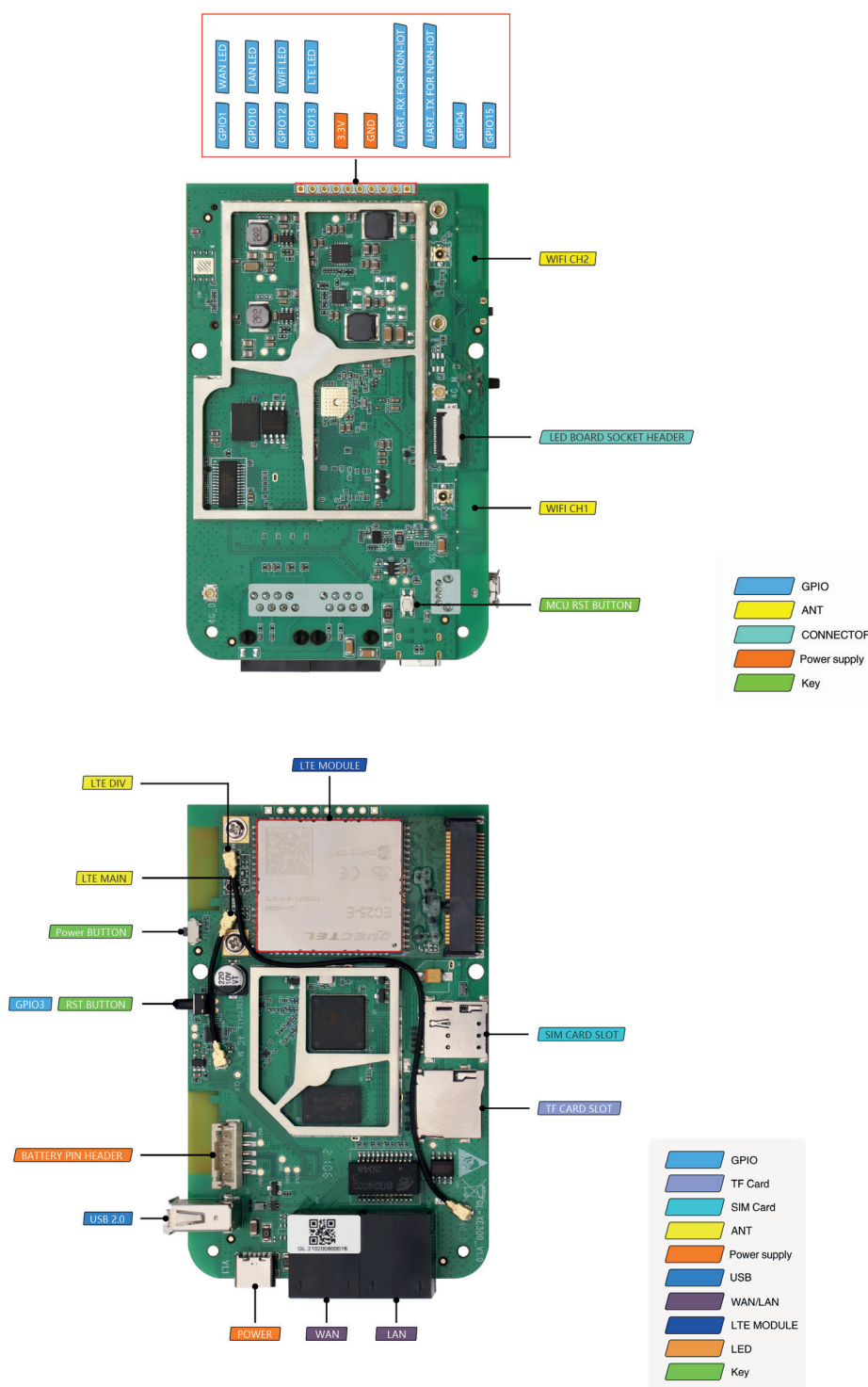
Ethernet Port	1 x LAN, 1 x WAN
SIM Card Slot	Nano SIM card (12.3mm x 8.8mm)
LED Indicator	Battery, Power, WAN, LAN, Wi-Fi, 4G
Reset Button	Press (>3s, <8s) restores network settings to device initial state Long press (>=8s) restores factory settings
Power Port	USB Type-C, 5V/2A (with battery), 5V/3A (without battery)

CERTIFICATION	
	• CE • UKCA • WEEE • FCC • MIC • RoHs

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 LIST	
	1 x Puli (GL-XE300) Router 1 x Power Adapter 1 x Ethernet Cable 1 x Warranty Card 1 x User Manual

PINOUT



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