

GL100M

The ideal solution for creating Wi-Fi areas in a mobile environment



Description

The GL100M is a dedicated Wi-Fi gateway designed for the world of public transportation on wheels. The GL100M features a captive portal (hotspot) compatible with LUMEN® that allows easy access to the onboard Wi-Fi network for all passengers. Equipped with an LTE interface and a Wi-Fi interface, the GL100M ensures coverage throughout the entire vehicle.

The standard LTE interface can optionally be replaced with a 5G interface.

The GL100M is integrated with Guglielmo's cloud monitoring and management system, enabling updates and configurations to be managed effectively.



Main features

- Captive Portal (hotspot) compatible with LUMEN®
- Support for all LUMEN® authentication methods: SMS, Validated Email, Social, SPID, Mobile App, Click&Go, Events&Go, Key&Go
- Compatible with the Passwordless full seamless access system by Guglielmo
- Ability to define lists of reachable hostnames, IP addresses, and subnets before authentication (walled garden)
- Bandwidth limitation per user
- Support for remote content filtering (LUMEN® Security)
- Centralized monitoring by Guglielmo
- Centralized management of configurations and firmware updates by Guglielmo
- Integrated and configurable firewall with NAT(PAT) and Port Forwarding functionalities
- DHCP Server, DHCP Client, DNS Forwarder
- Automotive support
- LTE connectivity
- Wi-Fi interface

Technical specifications

Chipset	MT7620A+7612E
Protocols	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, IEEE 802.11a
RAM	DDR2 128MB (Max 256MB)
Network Interfaces	1* 10/100M Auto MDI/MDIX LAN
Wireless Band Frequency	2.4GHz - 5.8GHz
Wireless Speed	300Mbps (2.4GHz) - 900Mbps (5.8GHz)
Modules	1 LTE module with 1 SIM card slot 3G/4G up to 150 Mbit/s
Flash	16MB (Max 32MB)
Lights	Power, WLAN, LAN, 3G/4G, USB, 5G
Buttons	1 reset button
Power Supply	DC 12~24V/1A
Antenna	7 external 5dbi OMNI antennas
Operating Temperature	-20°C ~ 70°C
Operating Humidity	10% ~ 90% RH (non-condensing)
Storage Temperature	-40°C ~ 70°C
Storage Humidity	5% ~ 90% RH (non-condensing)
Dimensions	12.5 x 10 x 2.5 cm

