

# GL100

THE PERFECT SOLUTION TO CREATE  
PROFESSIONAL PERFORMANCES  
HOTSPOTS



## Technical specifications

**Network interface:** n. 2 ports LAN 10/100Base-T Ethernet, RJ-45

**Wireless interface:** IEEE 802.11

**USB:** 2 porte

**Serial interface:** RS232

**Antenna:** 3dBi omnidirezionale

**VLAN:** IEEE 802.1Q

**Safety:** WPA/WPA2 (802.11i)

**Supply:** 220 Vac 50Hz

**Power supply:** External 220Vac

**Temperature:** -5°C÷+65°C

**Certification:** CE, EN300328, EN301893, EN301489-1,  
EN301489-17, ROHS

**Compatibility:** tested compatibility with all certified  
Wi-Fi™ Certified

**Dimension:** 170 x 160 x 25 mm

**Weight:** 375 g

**Leds:** 3 leds (Status, Network, Activity)

## Overview

The GL100 is a network gateway developed for handling the authentication of devices which have internet access. GL100 has been developed as a perfect client of the LUMEN authentication system of Guglielmo.

The GL100 can be used to authenticate every device, portable or not which has a valid account LUMEN by Guglielmo. It has a sophisticated encoding system based on the use VPN SSL and RADIUS, which guarantees the safety of every connection in accordance with WISP rules.

The GL100 is a self-installing product. When it is connected to internet it automatically proceeds to users authentication in accordance with the different policies of the service.

## Main features

- Plug and Play device.
- Connected to internet contact the LUMEN by Guglielmo platform, it doesn't need the on site configuration.
- Radius client
- DHCP Server, DHCP Client, DHCP relay
- NAT (PAT) in LAN and WiFi interface
- Static routes support
- MULTIPLE SSID support in bridge on the VLAN
- Support n. 6 VLAN in accordance to the standard IEEE 802.1q
- Users authentication with captive-portal switchable on LAN, WiFi and selectively on the VLAN.
- Complete management AAA ( Authorization, Authentication and Accounting
- Automatic redirection to the Multilanguage authentication page in https with valid SSL certificate (not self-generated).
- Web portal involved in authentication procedures customizable
- Authentication device on MAC address on remote central
- Authentication devices using local internal database
- Creation of tunnel VPN with central platform for service traffic : authentication, monitoring and management
- White list: list of reachable hosts defined as URL, IP or subnet address
- Black list: list of unreachable hosts defined as URL or IP address. Potentially different for every point. It is automatically and dynamically updated in centralized way.
- Internal list of banned devices or not authorized to browse
- Redirection after authentication to the requested web site or to other web site with configurable URL
- Bandwidth limiting for user
- Configurable integrated firewall
- Reachability from centralized platform by web or SSH, by tunnel VPN
- SNMP support
- Proxy HTTP integrated
- Supported wireless protocols: ac / b / g / n
- USB port for connection 3G/4G come back up XDSL or temporary Hot Spots.



wireless internet service provider

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