



## TECHNICAL SPECIFICATIONS

CPU	Celeron J1900 J1800
RAM	4 GB or 16 GB
Network Interface	2 Gbit Ethernet
Hard Disk	SSD 60GB SATA3
Power Adapter	DC12V-5A
Temperature	0°C ÷ +50°C
Certification	CE, EN300328, EN301893, EN301489-1, EN301489-17, ROHS
Operation System	Pfsense, Windows, Linux, etc.
I/O Ports:	4x LAN, 2x USB2.0, 1x VGA, 1x COM
Weight	600g
Size	150x123x33mm

## DESCRIPTION

The **GL230** is a network gateway developed to implement the features of the LUMEN authentication system of Guglielmo either on urban areas and densely populated areas.

The **GL230** can be used to authenticate every device, 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 according with WISPr rules.

The **GL230** can manage up to 200 simultaneous access requests, possibly expandable in cluster in high availability configuration.

## MAIN FEATURES

- Radius client
- DHCP Server, DHCP Client, DHCP relay
- NAT (PAT) in LAN and WiFi interface
- Static routes support
- Support n. 6 VLAN in according to the standard IEEE 802.1q
- 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
- Content filtering applicable