

GL230

The ideal solution for creating Wi-Fi hotspots in metropolitan areas



Description

The GL230 is the ideal gateway for medium-sized environments where it is necessary to install multiple Access Points to provide Wi-Fi coverage throughout the area. This includes locations such as shops, restaurants, medium-sized residential or hospitality facilities.

The GL230 features a captive portal (hotspot) compatible with LUMEN®, allowing easy access to the onboard Wi-Fi network for all users. It is integrated with Guglielmo's cloud monitoring and management system, enabling efficient updates and configurations. While implementing all the functionalities of the GL110 (except for Wi-Fi capabilities), the GL230 offers increased computational power and enhanced flexibility and networking capabilities.

It also provides advanced firewalling options. Additionally, the GL230 allows for the management of automatic authentication for IoT devices.



Main features

- Captive Portal (hotspot) compatible with LUMEN®
- Support for all LUMEN® authentication methods: SMS, 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
- Automatic authentication of IoT devices
- 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
- Full support for connectivity to Layer 2 (switched) or Layer 3 (routed) user devices
- VLAN support and IEEE 802.1q trunking
- DHCP Server, DHCP Client, and DNS Forwarder
- Support for static routes and policy-based routing
- SNMP support
- Traffic shaping and QoS management

Technical specifications

Memory	1 GB DDR4 RAM on board
Network Interfaces	1x Marvell 88E6141 networking switch 3x GbE Ethernet (WAN/LAN/OPT)
Storage	8 GB EMMC
Power Supply	12V 2A DC 5.5mm x 2.1mm x 10mm jack , center pin positive (power over USB not supported)
Certifications	CE, FCC, RoHS, UKCA
Operating System	pfSense
Power Consumption	3.48W (idle)
Temperature	0°C (32°F) to 45°C (113°F)
Dimensions	110 x 84.6 x 31.75 mm (4.33" x 3.33" x 1.25")

