

GL250

The carrier-grade solution for creating Wi-Fi areas in metropolitan zones



Description

The GL250 is the ideal gateway for managing networks consisting of dozens of Access Points located in densely populated urban areas (e.g., the center of a tourist city) or in large-scale structures such as hotels, residential, and commercial buildings.

It features a captive portal (hotspot) compatible with LUMEN® that enables easy access to the guest WiFi network.

This gateway is integrated with Guglielmo's cloud monitoring and management system, allowing for updates and configurations.

The GL250 implements all the functionalities of the GL230 but offers greater computational capacity, and most importantly, it allows for hosting custom services in edge mode.

It enables the virtualization of third-party Virtual Machines (VMs).



Main features

- Captive Portal (hotspot) compatible con 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 capabilities
- Full support for connectivity to Layer 2 (switched) or Layer 3 (routed) user devices
- VLAN and IEEE 802.1q trunk support
- DHCP Server, DHCP Client, and DNS Forwarder
- Support for static routes and policy-based routing
- SNMP support
- Advanced firewall functionalities
- Traffic shaping and QoS management
- Extensible with IDS functionalities
- Support for third-party services through the VMware virtualization platform

Technical specifications

CPU	Intel Core Gen 10 "Comet Lake-S" i3-10100 3.6G
Memory	8 GB DDR4 3200MHz
Network Interfaces	2x Intel Gigabit LAN (RJ45, i210/i211), WLAN (OPTIONAL)
Storage	250GB SSD SAMSUNG EVO 870
Power Supply	Input: 100~240 V AC, 50/60 Hz Output: 19 V DC, 4.74 A, max. 90 W
Certifications	EMI: FCC, CE, UKCA, BSMI, RCM, VCCI Safety: CB 60950/62368, BSMI, CCC Other: RoHS, Energy Star, ErP
Operating System	VMware® ESXi®
Temperature	0°C to 50°C (non-condensing)
Weight	1.3 kg
Dimensions	190 x 165 x 43 mm (L x W x H)



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