

GL500

The most powerful GL series gateway for creating Wi-Fi areas in metropolitan settings



Description

The GL500 is the ideal gateway for managing campus networks consisting of hundreds of Access Points or for managing national-scale geographic networks composed of hundreds of venues (e.g., retail store chains, bank branches).

Equipped with a captive portal (hotspot) compatible with LUMEN® and allowing for easy access to the guest Wi-Fi network, this gateway is integrated with Guglielmo's cloud monitoring and management system, enabling updates and configurations. The GL500 implements all the functionalities of the GL250 but offers significantly higher performance (several thousand concurrent users in the base configuration).

The hardware configuration of this gateway is customizable in terms of CPU, number and type of network interfaces, number and type of disks, and number of power supplies, allowing for scalability of computational capacity and reliability.

Furthermore, the GL500 supports local High Availability mode and Disaster Recovery mode by delivering the service from two separate data centers.



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 full seamless access system Passwordless by Guglielmo
- Ability to define lists of reachable hostnames, IP addresses, and subnets before authentication (walled garden)
- User bandwidth limitation
- Automatic authentication of IoT devices
- Support for remote content filtering (LUMEN® Security)
- Centralized monitoring managed by Guglielmo
- Centralized management of configurations and firmware updates managed by Guglielmo
- Integrated and configurable firewall with NAT (PAT) and Port Forwarding functionalities
- Full support for Layer 2 (switched) or Layer 3 (routed) user device connectivity
- 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
- Support for multi-WAN scenarios in failover and load balancing configuration
- Extensible with IDS functionalities
- Support for third-party services through the VMware virtualization platform
- Configurable hardware in terms of CPU, RAM, number and type of disks, number and type of network interfaces, and number of power supplies
- Several thousand simultaneous connected users in standard configuration
- Support for High Availability or Disaster Recovery configuration

Technical specifications

| | |
|----------------------------------|---|
| CPU | Xeon 2 or 4 core |
| RAM | 8 GB to 128 GB |
| Hard Disk | SATA/SSD in RAID 0/1/5 mode |
| Network Interfaces | 1, 2.5, and 10 Gbit/s |
| Power Supply Power Consumption | 160-240 Vac 50Hz/60Hz 420 W single or redundant |
| Temperature | -10°C to +65°C |
| Certifications | CE, EN300328, EN301893, EN301489-1, EN301489-17, ROHS |
| Dimensions Mounting | 434 x 394 x 43 mm 19" rack-mountable |
| Weight | 4 Kg |

