

GL500V

The most advanced and innovative solution for creating networks in metropolitan areas



Description

The GL500V is the virtualized version of the GL500, designed to be installed on the client's data center using the VMware® platform.

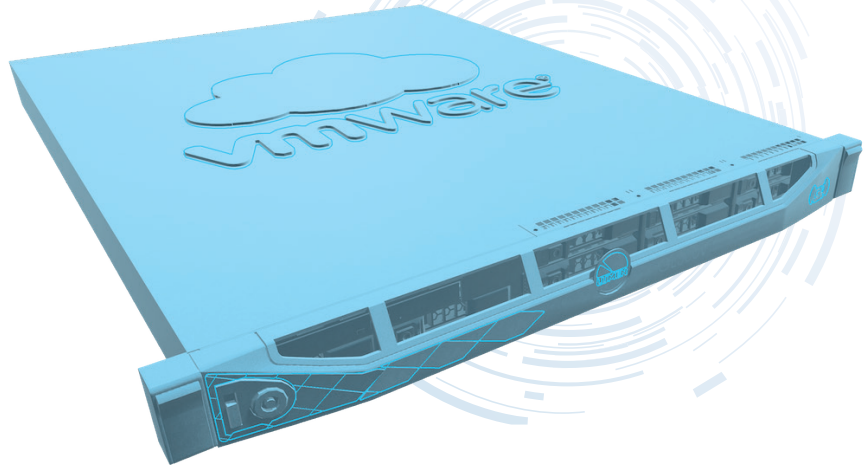
It is specifically designed for managing campus networks consisting of hundreds of Access Points or national-scale geographic networks composed of hundreds of venues (e.g., retail store chains, bank branches).

The GL500V inherits the use cases and software functionalities of the GL500, allowing the client to customize the hardware according to the project requirements.

Equipped with a captive portal (hotspot) compatible with LUMEN®, the GL500V provides seamless guest Wi-Fi access.

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

The GL500V incorporates all the software functionalities of the GL500, including the ability to operate in local High Availability mode and Disaster Recovery mode, depending on the compatibility of the client's infrastructure.



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)
- Bandwidth limitation per user
- 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 High Availability or Disaster Recovery configuration

Technical specifications

- Virtual Machine in .ova format
- Based on VMware®

Monitoring and management

- Monitoring via: SNMP, Zabbix, Nagios, Syslog
- Remote management via VPN tunnel (IPSEC, OpenVPN, Wireguard) and SSH/HTTPS NTP



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