



MAIN FEATURES

- Configurable hardware
- Up to 20000 simultaneous connected users in normal configuration
- Expandable in cluster with Load Balancing, Fault Tolerance or High Availability configuration
- VPN to Guglielmo Cloud
- Full Support of Layer 2 (switched) or Layer 3 (routed) connectivity to users devices
- Radius Client
- Complete management AAA (Authorization, Authentication and Accounting)
- DHCP Server, DHCP Client, DHCP relay
- NAT (PAT)
- Static routes support
- Support of VLAN and IEEE 802.1q trunk
- Redirection to customized login portal
- Management and Authentication traffic on https with valid SSL certificate (not self-generated)
- White list: list of URLs, IP addresses or subnets reachable before the authentication, dynamically updated
- Black list: list of unreachable URLs or IP addresses, dynamically updated
- Internal list of banned devices, 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
- Content filtering applicable
- Configurable traffic shaping
- Centralized platform for Firmware Upgrade
- Optional VMware ESX 5.5

TECHNICAL SPECIFICATIONS

CPU	Intel i3 family or Xeon 2 or 4 core
RAM	8 GB or 16 GB
Network Interfaces	2 or 4 Gbit ethernet
Hard Disk	SAS, 500 GB or 1 TB
Network interface	n. 4 ports LAN 10/100 Base-T Ethernet, RJ-45
Assembly	rack 19"
Supply	160-240 Vac 50Hz/60Hz
Consumption	4 20 W
Temperature	-10°C ÷ +65°C
Certification	CE, EN300328, EN301893, EN301489-1, EN301489-17, ROHS
Weight	4000 g
Size	434 x 394 x 43 mm

SERVICES

LUMEN™ module provides extremely flexible services for the hotspot management, such as users authentication and policy enforcement.

Caligoo™ module provides services for Business Intelligence and Network Control, implementing a deep interaction with mobile App or external applications, for advanced services such as automated login procedures, notifications and QoS policy enforcement.

IoT hub module provides connectivity for sensors and actuators and local IoT resources discovery and service consumption.

Fog Computing module The GL500 can also locally provide and control resources such as memory, computing and networking, implementing also a virtualization infrastructure for Virtual Machines or Linux Containers, in order to host other machines or applications, such as Proxy, VPN terminators, Wireless Lan Controllers, etc..., with a local access to resources.

VMware® Module: The GL500 can also provide a virtualization infrastructure, based on VMware ESX 5.5, in order to host other machines such as Proxy, VPN terminators, Wireless Lan Controllers, etc...

