



TECHNICAL SPECIFICATIONS

VM machine in .ova format

Based on VMware ESX 5.5

MANAGEMENT

Management	Remote Management via VPN tunnel
Management protocols	HTTPs, SSH
NTP Synchronization	RFC 1305
Syslog	Remote Activity Syslog
Reset	Remote reset / Manual reset

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 GL500V 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.

MAIN FEATURES

- Virtually unlimited simultaneous connected users
- 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