



## MAIN FEATURES

- 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
- 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

## TECHNICAL SPECIFICATIONS

Chipset	MT7620A+7612E
Protocol	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b, IEEE 802.11a, IEEE 802.11ac
RAM	DDR2 128MB (Max 256MB)
Network Interfaces	1* 10/100M Auto MDI/MDIX LAN
Wireless frequency band	2.4G:2412 MHz-2484MHz (channel 1 -channel 14). 5.8G: 5725MHZ-5850M(channel:149, 15, 157, 161, 165)
Wireless speed	2.4GHz, Up to 300Mbps, 5.8GHz, Up to 900Mbps
LTE Module	n. 1 LTE Module with 1 SIM card slot supporting 3G/4G up to 150 Mbit/s
Flash	16MB (Max 32MB)
Light	Power, WLAN, LAN, 3G/4G, USB, 5G.
Button	n. 1 reset button
Power supply	Input 12V 1A(9-28V)
Antenna	7 external 5dbi OMNI antennas (4 for Wi-Fi antennas, 2 for 3/4g module antenna, 1 for GPS antenna, the details need according to customer's requirements)
Management	Web Management
Working temperature	-20°C ~ 70°C
Working humidity	10% ~ 90%RH non-condensing
Storage temperature	-40°C ~ 70°C
Storage humidity	5% ~ 90%RH non-condensing
Size	12.5 x 10 x 2.5 cm

## SERVICES

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