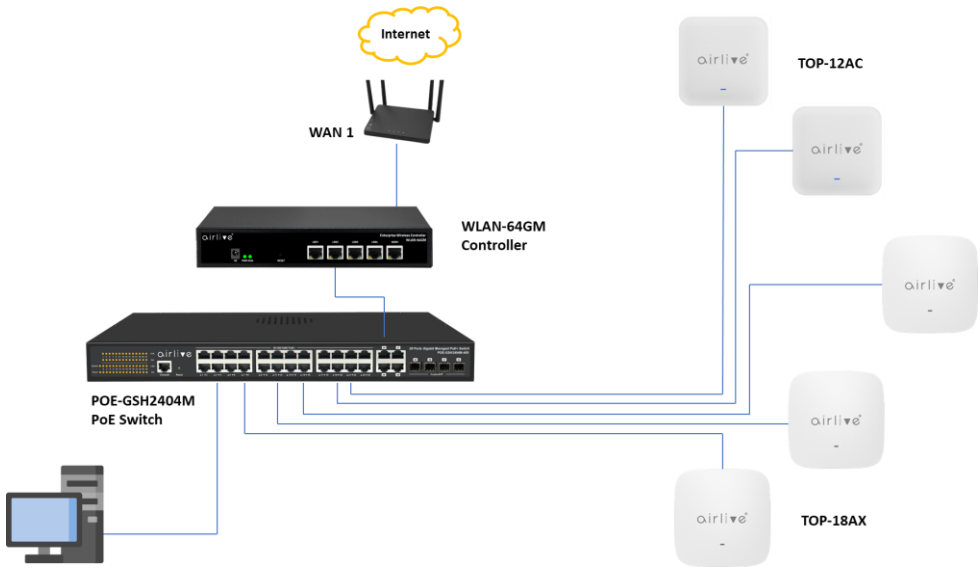
Enterprise Wireless Controller & Gateway

WLAN-64GM

Wireless Controller 64APs	Auto Wireless Roaming 802.11kvr	Gigabit WAN	5G Precedence
Vlan Support	Smart QoS	AirCloud Support	Wireless Optimizer

Centralized Wireless AP/Lan Management

The WLAN-64GM is designed to provide resellers and enterprises with a solution that functions as an access point planning, deployment, monitoring and maintenance solution by offering management, authentication and guest access within an aligned device. Consistent to provide high efficiency and professional network connectivity for hotels, businesses, internet bars, shopping malls. In addition, it can quickly and stably manage the hotspot centrally and remotely, provide full solution wireless coverage, convenient and practical.



Highlight Feature

- **AP L2/L3 Management**
  Group or Single Configure: WLAN-64GM auto detect the wireless AP, support group or single configuration, central to manage the SSID password, mode, channel, RF power, coverage threshold; Then reboot, reset or upgrade firmware remotely to complete the maintenance.
- **High Scalability**
  The WLAN-64GM supports the management of the access points to provide complete wireless LAN functions for the business. As standard the WLAN64GM support provides scalability to the maximum supported total up to 64 APs. WLAN-64GM principle provides reassurance and future proofing for SMBs, hotels and educational institutes to implement secured, centralized wireless LAN networks.
- **Automatic Wireless Optimizer**
  The WLAN-64GM supports Wireless Optimizer to simplify planning, deployment and management of business WiFi without costly on-site survey tools and additional sensors or location servers.
- **Client Steering**
  Client Steering sets 5 GHz as priority for dual-band devices to overcome heavy loading on 2.4 GHz, while client signal threshold transfer devices to APs with stronger signal. With these two functions, the WLAN-64GM ensures better radio resource usage to provide max wireless network performance for users.

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Large Scale deployment of Campus Application

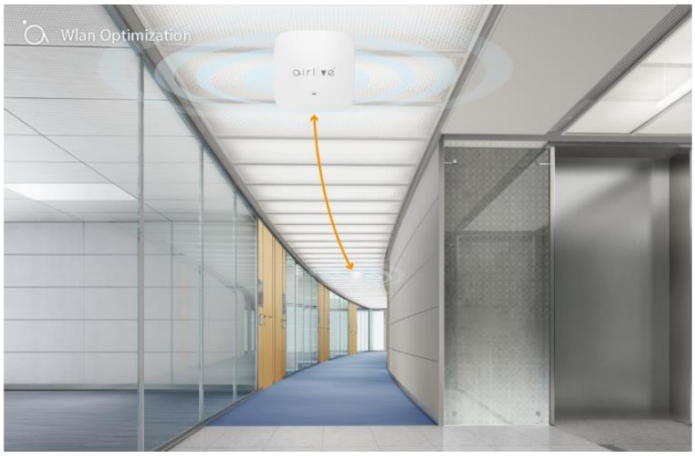
Airlive Wireless Controller-based Solution can provide full control of aps, the Wireless Access Controllers and indoor 11ac/ax dual band Access Point. The solution can be applied for wireless city, large scale campus, hotel & shopping mall. Through Airlive Wireless Controller, can manage all Access Point easily. Also, with Airlive Cloud Service, Access Controllers can manage Access Point independently. Besides, Airlive Wireless Controller also support redundancy mechanism make whole networks system always keep robust & secure environment without any risks.

Wireless optimization

WLAN-64GM Automatic wireless optimization refers to the use of software tools and algorithms that automatically adjust and optimize the configuration of a wireless network. The goal of automatic wireless optimization is to simplify the process of optimizing a wireless network, and to ensure that the network is always operating at peak performance.

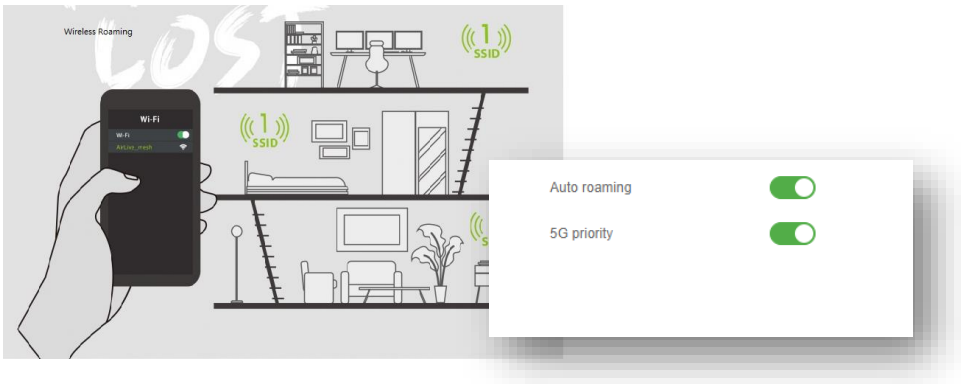
Automatic wireless optimization typically uses machine learning and artificial intelligence algorithms to analyze the performance of the network in real-time and make adjustments to its configuration as needed. The software can take into account various factors such as network traffic, signal strength, interference levels, and the presence of new devices or access points, in order to make decisions about how to optimize the network.

By automating the optimization process, automatic wireless optimization can help to ensure that a wireless network is always operating at peak performance, without the need for manual intervention. This can improve the user experience and increase productivity, particularly in large, complex networks with many devices and access points.



Auto Wireless Roaming

Auto wireless roaming refers to the ability of a wireless device to automatically switch between different access points or wireless networks as the device moves within range, without manual intervention. This allows the device to maintain a seamless and uninterrupted connection to the internet or other network resources, improving user experience and productivity. Auto wireless roaming is commonly used in Wi-Fi networks, particularly in enterprise environments.

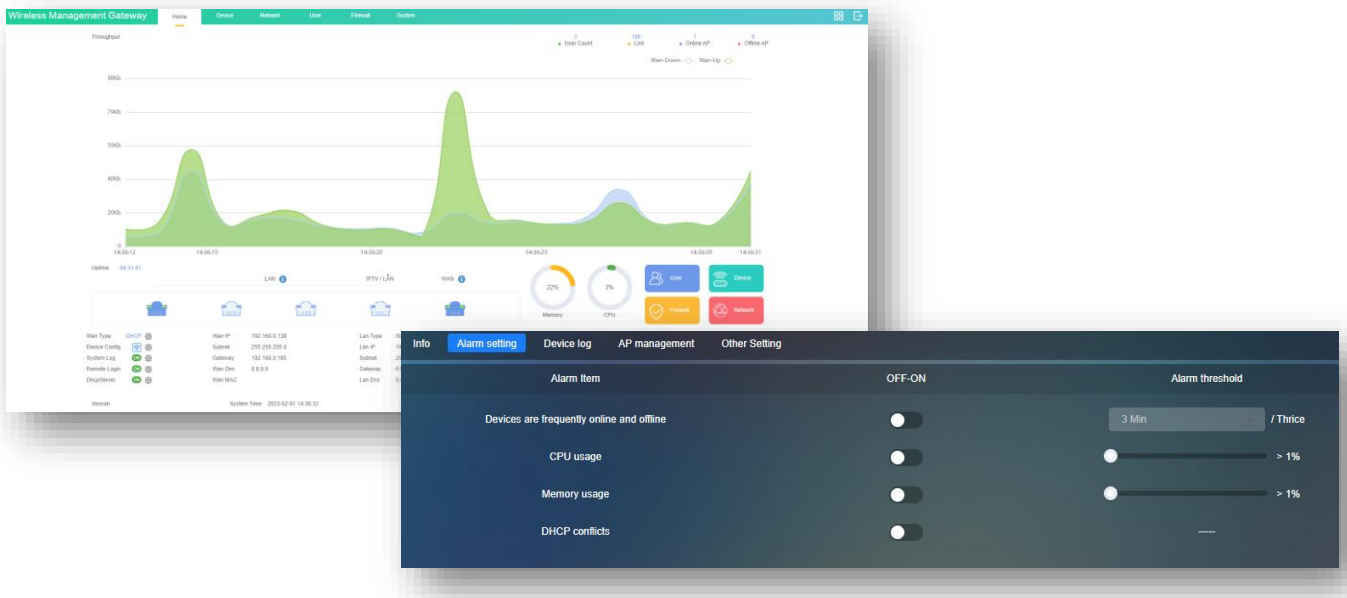


Live Network Status Monitor and Cloud Notify

A Live Network Status Monitor is a tool that provides real-time monitoring and analysis of the performance of a network. It can display information about network traffic, signal strength, device connectivity, and other relevant metrics, and provide alerts when there are issues that need attention.

Cloud Notify refers to a feature that allows network administrators to receive notifications about network events and issues through a cloud-based service. This can include alerts about network outages, security breaches, and other issues, as well as updates about software upgrades and other important events.

When combing, a Live Network Status Monitor with the Cloud Notify it can provide a comprehensive view of the performance of a network. And allow network administrators to quickly respond to any issues that may arise. By using cloud-based notifications, administrators can stay informed about network events even when they are away from their desks. and take action to resolve issues as needed. This can help to improve the reliability and performance of a network and ensure that users are able to access the resources they need when they need them.



Specification

Model	WLAN64GM Enterprise Gateway & Wireless Controller

Device Interface

- **Main Chip**: MTK MT7621
- **Flash**:16MB
- **SSD**:256MB
- **Ethernet (LAN)**: 4 x RJ45 10/100/1000mbps
- **WAN**: 1x RJ-45 10/100/1000mbps
- **Network Protocol**: IEEE 802.3, 802.3u, 802.3ab, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DDNS, IPsec, PPTP, L2TP, CAPWAP Protocol
- **Heat Dissipate:** Super silent ball fan
- **Power Input**: 1 x 12VDC
- **Power**:AC:100-240V,50HZ

WAN

- **WAN**: PPPoE, DHCP, Static IP, by Pass mode

Firmware features

- **AP Management**:
  Max to manage 64 PCS wireless AP
  Centrally and remotely to manage/configure wireless AP
  AP Template deploy
  View user's status
  Wireless Country Code
  Reboot/Reset
  Web Password
  Delete AP
  Online User List
  AP Configure
- **AP Template**:
  Device Add
  Device Configure
  Wireless Device
  Wireless Frequency: 2.4G/5.8G
  Encryption
  VLAN ID
  Virtual AP1~4
  Country Code
  Max Station
  User Isolation
  Short GI
  Beacon Interval
  Coverage Threshold
  Fragment Threshold
  RTS Threshold
  Reboot Regularly
  Device Web Password

Device Upgrade

Online upgrade
Local Upgrade
Firmware Upgrade

Device Service

AC Enable\Disable
DHCP Enable\Disable
Server IP Address
Address Count
Lease Time
Allocated IP
IP List
Static Binding

IPTV Setting

Enable IPTV mode
IPTV tags
Topology Graph

Device Auto Roaming

Auto Roaming
5G priority

Network

Lan Setting
IP Address
Subnet
DHCP Service
Start/End IP
Primary/Secondary DNS
DHCP Lease Time
DHCP Allocation Number

WAN Setting

Internet Access: DHCP/Static IP/PPPoE/ByPass
MTU
Line Detection

Cloud

Cloud Enable/Disable
Cloud Server
Latitude/Longitude
Binding State

User

User List
Link
Blacklist

Specification

Model	WLAN64GM Enterprise Gateway & Wireless Controller

User Speed Limit

One Key Enable/Disabled
IP Group
Time Group
Up/Down
Remake

- **Firewall**:
  - IP Filter
  - Rule Name
  - Protocol
  - TCP/UDP
  - IP Address
  - Search
  - External Port
  - Internal Port
  - MAC Filter
  - Name
  - Time Group
  - Mac Address
  - Search Mac Address
  - URL Filter
  - Name
  - Time Group
  - URL Address
  - Port Map
  - Name
  - Protocol
  - TCP/UDP
  - IP Address
  - Search
  - External/Internal Port
  - DMZ Host
  - DMZ IP Address
  - Search
- **System**:
  - System Time
  - Current version
  - Upgrade Type
  - Online Upgrade
  - Local Upgrade
  - Upgrade Time
  - Restore Default Configure
  - Upgrade

Maintain

Remote Login
Remote Telnet
Reboot Regularly
DHCP Conflict Detection
Capture packet
Network
Protocol
Source Address
Target Address
Target Port
Number
Ping

Environment

Working Temperature: -20℃~55℃
Storage Temperature: -40℃ ~ 70℃
Working Humidity: 5% ~ 97%RH (No condensation)

Dimension

Product size: Product Dimensions: 27.78x18x3.37 cm
Package Size: 50 x 28.5 x 8 cm
Carton Package: 10PCS / 1 CTN
Carton Weight: G.W=10KGS
Carton Size: 54.5 x 32.5 x 23.5 cm

Ordering Information

Model Name: AirLive WLAN-64GM
Description: Enterprise Gateway & Wireless Controller

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