

Enterprise Wireless Controller & Gateway

WLAN-64GM

airlive®



Wireless
Controller 128APs

Auto Wireless
Roaming 802.11kvr

Gigabit
WAN

5G
Precedence

Vlan Support

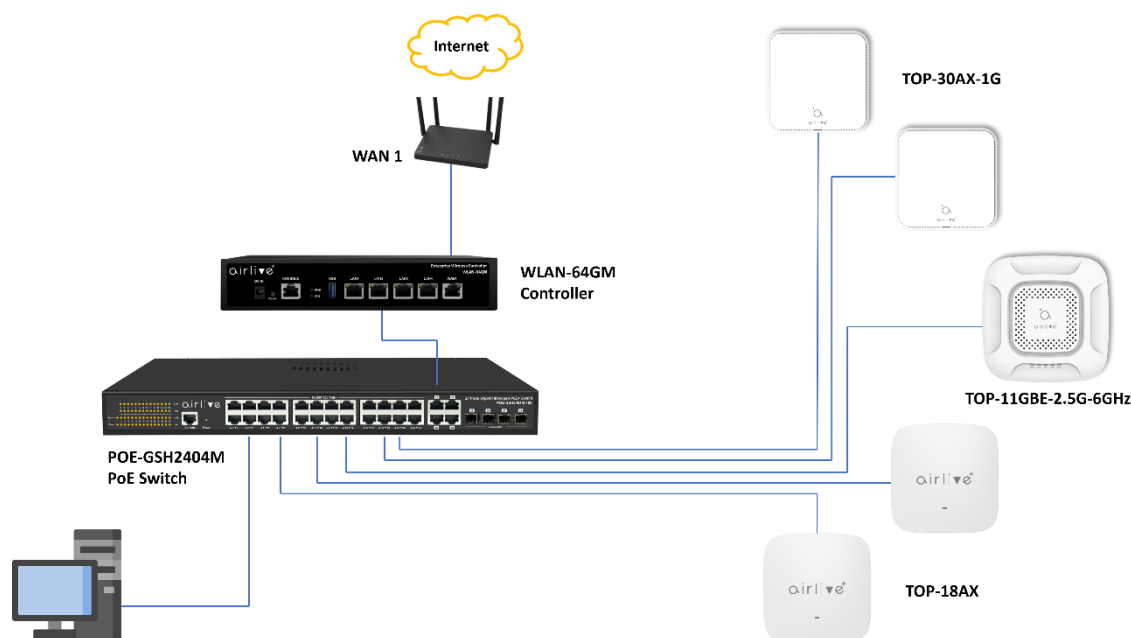
Smart QoS

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 128 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 Wi-Fi 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.

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/be dual/triple 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.

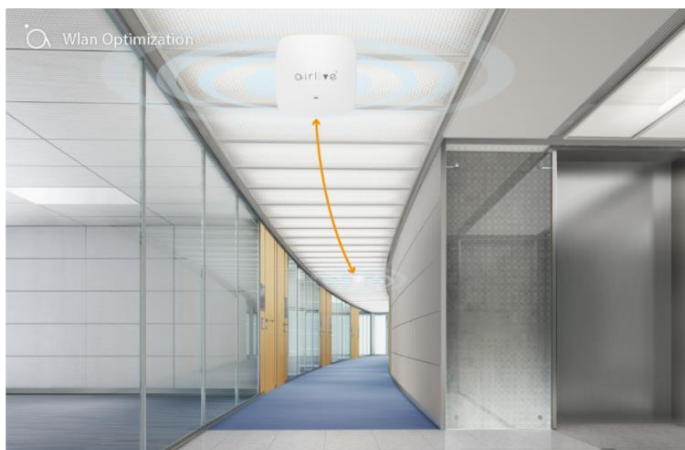


Wireless optimization

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.

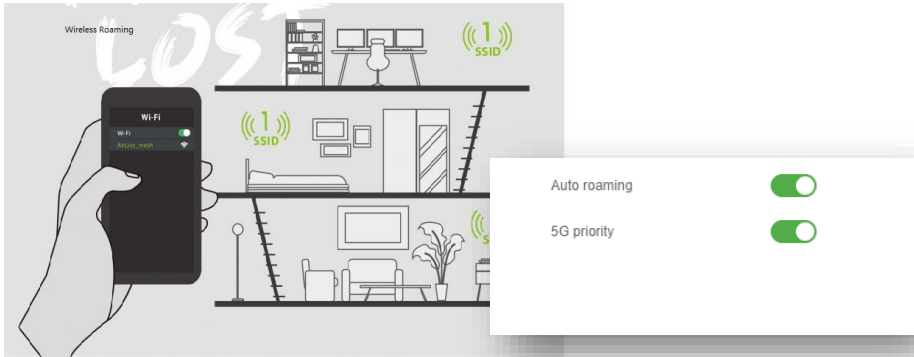
Automatic wireless optimization typically uses machine learning and artificial intelligence algorithms to analyze the performance of the network in real-time and make adjustments to its configuration as needed. The software can take into account various factors such as network traffic, signal strength, 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.

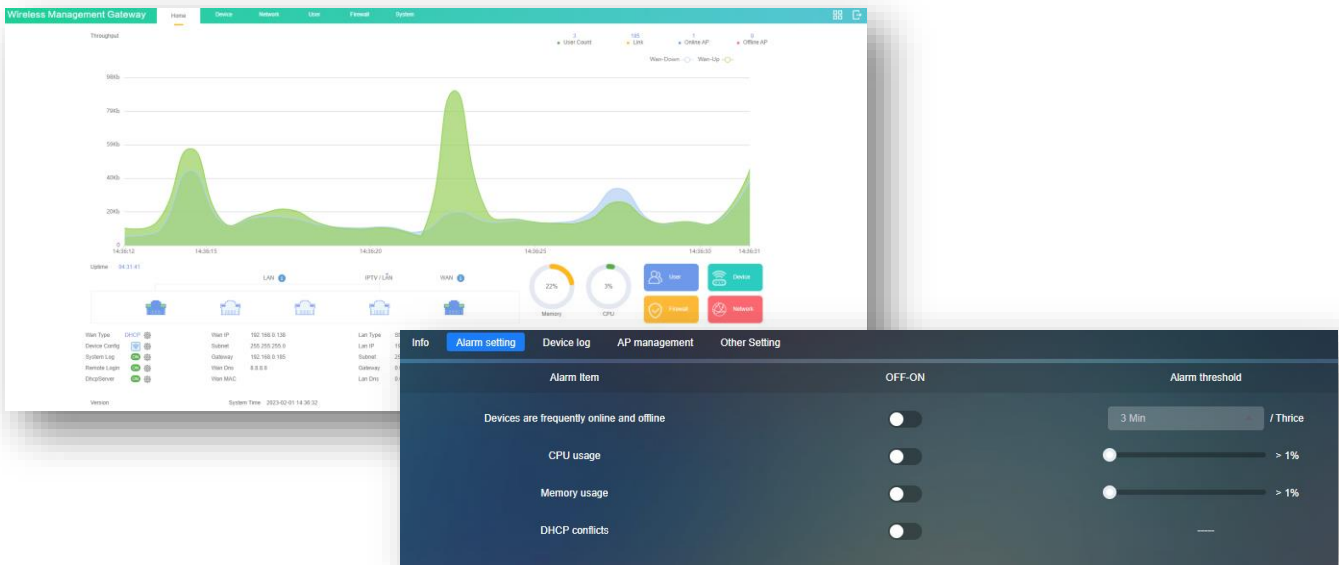


Live Network Status Monitor and Cloud Notify

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 combining, 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.



Model	WLAN-64GM Enterprise Gateway & Wireless Controller
Device Interface • Main Chip: MTK MT7621AT • Flash:16MB • SSD:512MB • Ethernet (LAN): 4 x RJ45 10/100/1000Mbps • WAN: 1x RJ-45 10/100/1000Mbps • Console Port: 1x RJ45 • USB Port: 1x USB3.0 (not in use) • 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: Natural heat dissipation • Power Input: 1 x DC 12V/1A Power Adapter WAN • WAN: PPPoE, DHCP, Static IP, by Pass mode Firmware features • AP Management: - Max to manage 128 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/6G - 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

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Model	WLAN-64GM 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°C~55°C Storage Temperature: -40°C ~ 70°C Working Humidity: 5% ~ 97%RH (No condensation) Standard package of Device • Product size: 23.25 x 15.25 x 4.45cm(L*W*H) • Package size: 32.00 x 18.80 x 7.80 cm(L*W*H) • Package Weight: N.W: 0.8kg; G.W: 1.28kg • Package content: 1 x Controller, 1 x Power Adapter, 1 x QIG. Standard carton package • Quantity: 10pcs / 1 carton • Dimensions 41.00 x 34.00 x 40.00cm (L*W*H) • Weight 13.35kg (G.W) Ordering Information Model Name: AirLive WLAN-64GM Description: Enterprise Gateway & Wireless Controller

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