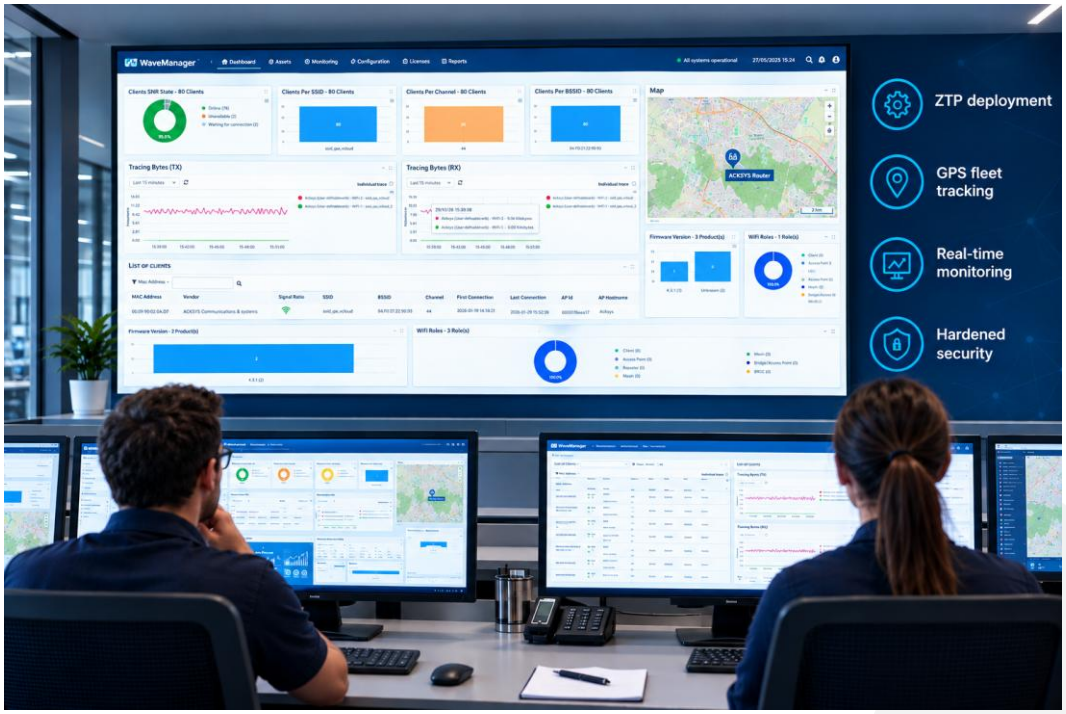
WAVEMANAGER CLOUD

Centralized cloud management for ACKSYS WiFi access points and cellular routers.

CENTRALIZE	DEPLOY	MONITOR	MAINTAIN
One web platform	Zero-touch & CSV	Status, signal & location	Remote tools & firmware

Configure. Deploy. Monitor. Maintain.



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PLATFORM OVERVIEW

Your ACKSYS fleet. One place to manage it.

A clear view of devices, configurations and operations from any modern web browser.

WaveManager Cloud centralizes the remote administration of compatible ACKSYS WiFi access points and cellular routers. Teams can provision devices, apply configurations, monitor fleet status and troubleshoot remotely without maintaining a local management server.

Hosted on Amazon Web Services (AWS) infrastructure in Europe (Ireland), WaveManager Cloud is designed for remote fleet management across industrial and public transport deployments.

Centralized control

Manage devices, groups and reference configurations from one platform.

Fleet visibility

Review connectivity, configuration state, signal quality, firmware and location.

Remote operations

Deploy configurations, upgrade firmware and run diagnostics without site visits.

Zero-touch provisioning

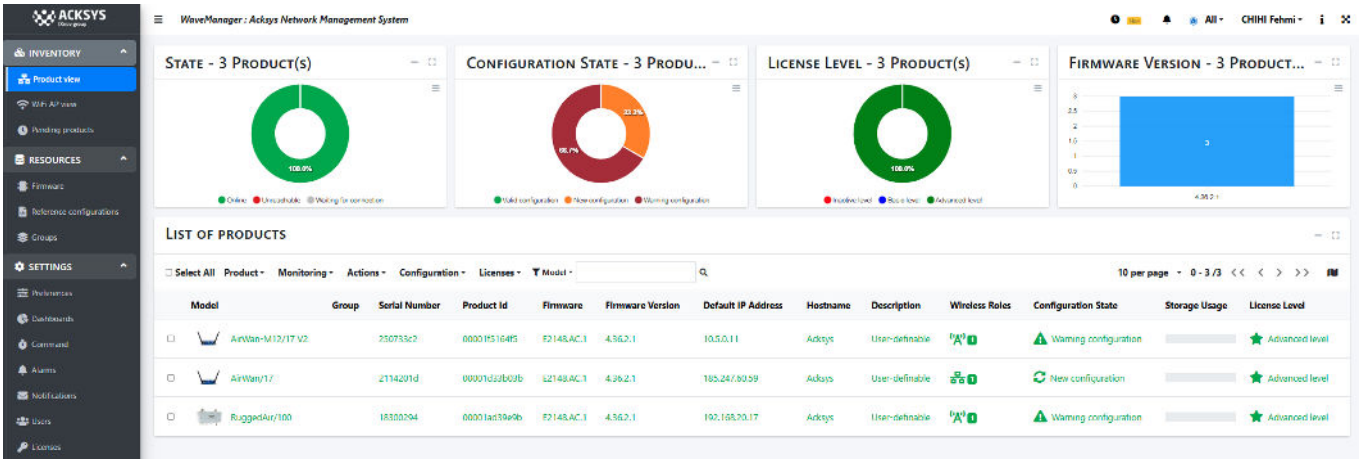
Streamline enrollment and structured device rollout using automated workflows and CSV files.

Asset inventory

Keep a centralized inventory of managed ACKSYS equipment and current status.

Browser-based access

Access the service through Chrome, Firefox, Safari or Edge; latest versions recommended.



A centralized view of managed devices and fleet information.

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CORE CAPABILITIES

One platform for the full device lifecycle

WaveManager Cloud brings the main fleet-management tasks together in five clear areas, reducing the number of tools and manual steps needed to operate distributed ACKSYS devices.

1. CONFIGURE

Apply individual or group settings for IP, radio channel, SSID and security parameters. Reuse reference configurations from templates or files.

2. DEPLOY

Use zero-touch provisioning, CSV-based device customization, product groups and centralized firmware preparation for repeatable rollouts.

3. MONITOR

Track online/unreachable states, configuration and license status, Wi-Fi/cellular/GPS telemetry, signal quality and router location.

4. MAINTAIN

Backup and restore configurations, upgrade firmware, export logs, reboot or reset devices and run remote diagnostics.

5. CONTROL ACCESS

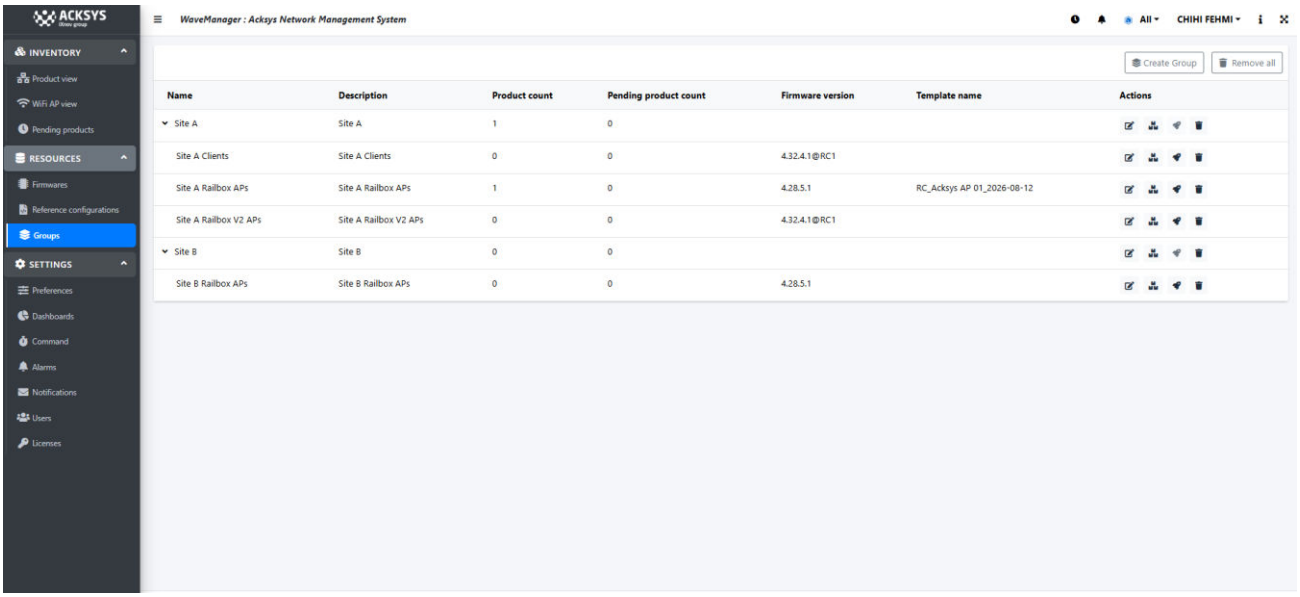
Manage users with role-based access. Available roles: Administrator, Editor and Viewer.

SUPPORTED PLATFORM

Compatible ACKSYS products running WaveOS 4.36.2.1 and higher, subject to product and license support.

Designed to scale from individual devices to managed fleets.

Organize devices into groups, associate firmware and reference configurations, then follow deployment status from a single interface.



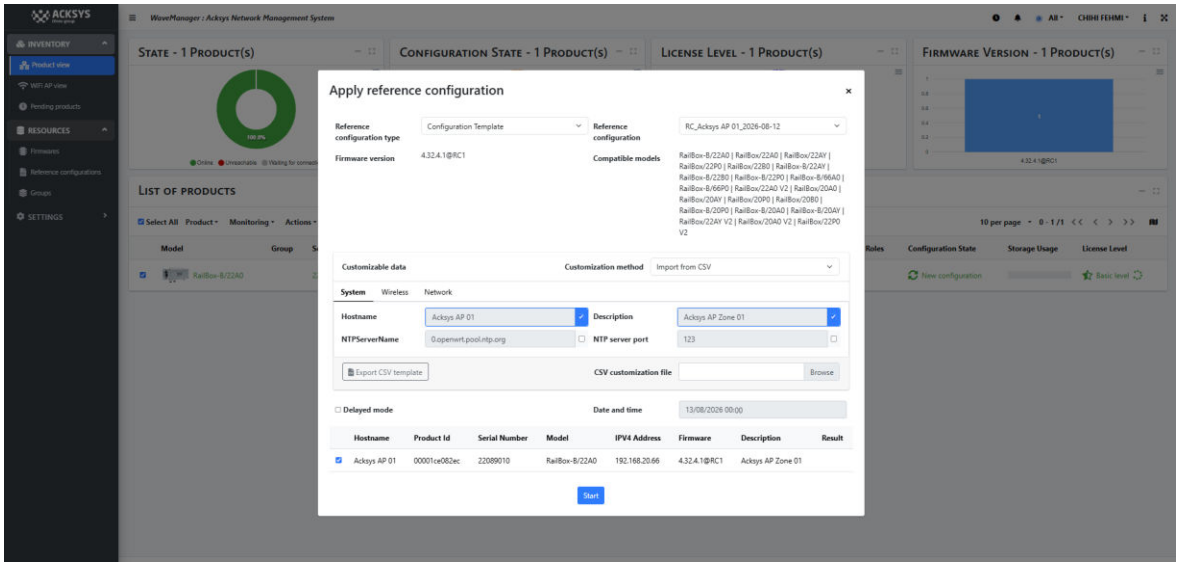
Group management for consistent fleet administration.

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DEPLOYMENT & CONFIGURATION

Deploy faster. Standardize every rollout.

Use template configurations and structured provisioning to reduce repetitive device-by-device tasks.



Apply a reference configuration to selected products.

1. Add firmware

Prepare or select the firmware package for the target device.

2. Create a configuration template

Add a local or product-based reference configuration.

3. Associate a group

Link the device group with the selected firmware and configuration.

4. Prepare the customization CSV

Add device-specific values using the CSV template.

5. Pair products

Associate the products with the intended deployment workflow.

6. Manage deployment

Review connectivity and configuration status during rollout.

Key deployment functions

- Zero-Touch Provisioning for supported enrollment workflows.
- CSV provisioning for structured device-specific customization.
- Remote deployment of configurations from any location.
- Centralized firmware preparation and synchronized upgrades across supported products.

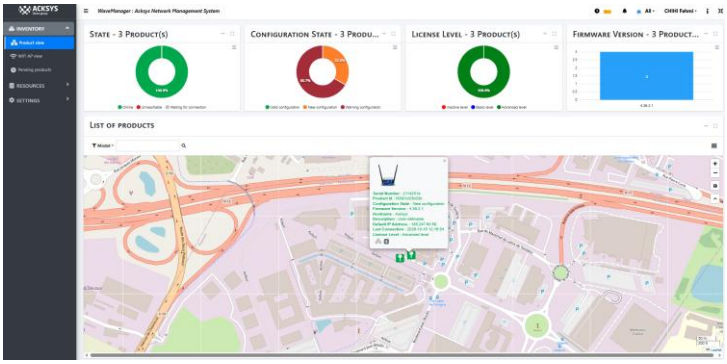
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MONITORING & FLEET VISIBILITY

Monitor what matters — status, signal and location

WaveManager Cloud combines fleet status with wireless and cellular telemetry so operators can identify issues quickly and follow device behavior over time. Available statistics and history depend on the selected license.





Live product status

Online, unreachable and waiting-for-connection states, plus configuration, license and reference-configuration status.

GNSS map view

Display ACKSYS routers on a map using GNSS-based location information.

Fleet dashboard

Use summary indicators and charts to see the overall state of the managed fleet.

WiFi & cellular quality

Review RSSI and cellular indicators; configure high/low RSSI threshold alarms where supported.

Statistics & history

Inspect WiFi, cellular, GPS and bandwidth charts, history and telemetry with the appropriate license.

Alarm visibility

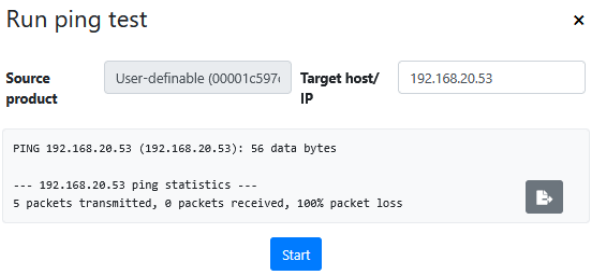
Configure, detect and display alarms with the Advanced license.

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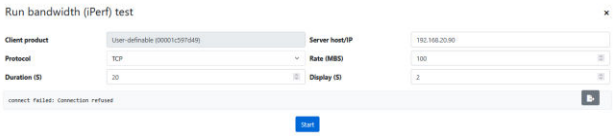
REMOTE MAINTENANCE & DIAGNOSTICS

Troubleshoot remotely. Reduce unnecessary site visits.

Integrated maintenance tools help operations teams verify connectivity, assess performance and recover devices without being physically present at the installation.



Remote Ping test



iPerf network performance test

Configuration backup & restore

Save and restore device configurations.

Remote actions

Reboot devices, perform factory reset and flash the DIAG LED to locate installed equipment.

Logs & export

Access available system, kernel and roaming logs; export data in CSV format where supported.

Remote diagnostics

Run Ping and iPerf tests to check connectivity and network performance.

Firmware maintenance

Manage firmware centrally and upgrade supported devices remotely.

MQTT data collection

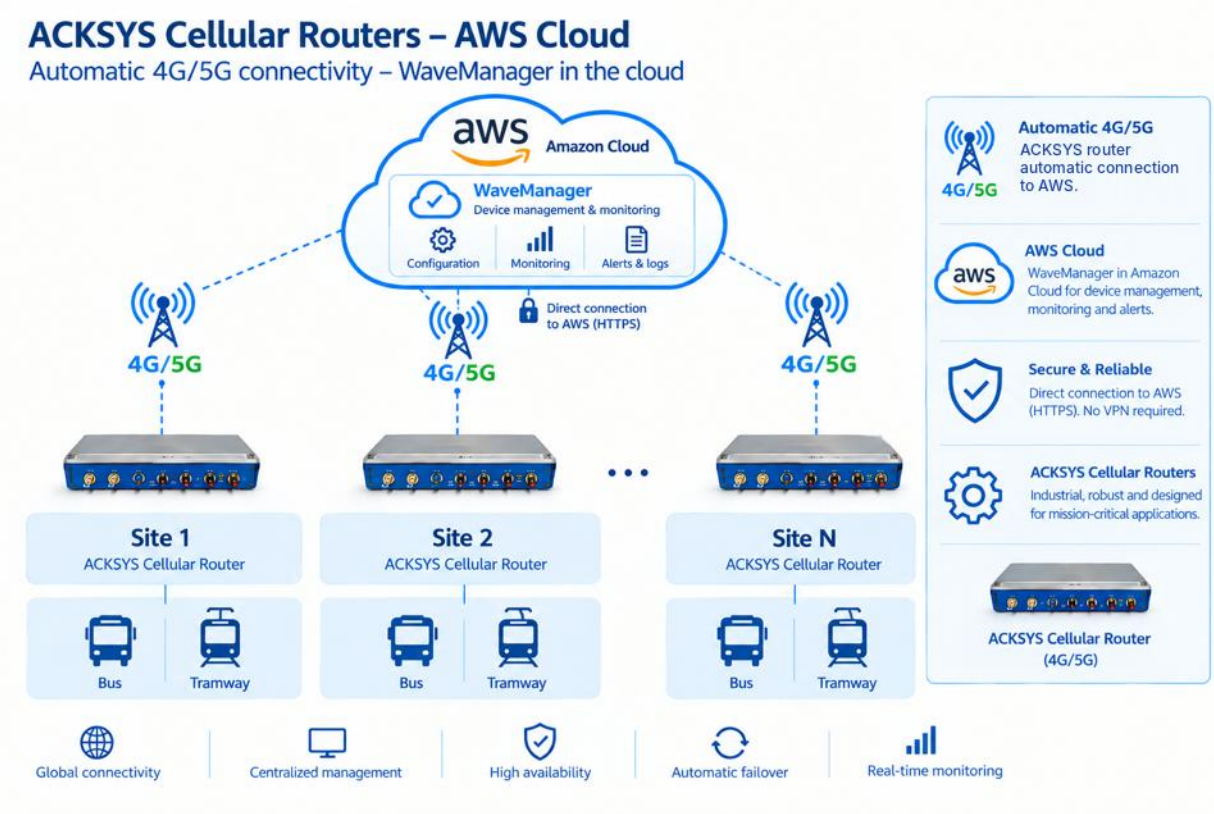
Support MQTT-based data collection for compatible products and workflows.

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CLOUD ARCHITECTURE & ACCESS

Cloud-based management with simple site connectivity

Managed devices connect to WaveManager Cloud over their available network connection. The platform is hosted on AWS infrastructure in Europe (Ireland), removing the need to operate a local WaveManager server.



WaveManager Cloud architecture for distributed cellular router deployments.

Simple prerequisites

A modern web browser and a WaveManager Cloud account.

Direct cloud connectivity

The deployment architecture uses HTTPS connectivity to AWS; no dedicated local management server is required.

Industrial, transport & mining applications

For cellular routers connected through public APNs enabling centralized management and remote monitoring through the ACKSYS Cloud platform.

Role-based access

Administrator, Editor and Viewer roles help separate management responsibilities.

Centralized user management

Manage users and password policies from the platform.

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LICENSING

Choose the level of visibility you need

WaveManager Cloud uses a token-based subscription model. The selected level controls configuration, diagnostics and telemetry capabilities available for each managed device.

OPTION	WHAT'S INCLUDED	TOKEN
Basic	Configuration (firmware, network and WiFi); Ping, iPerf and LED tracking; clock and IPv4 conflict warnings; manual and automatic deployment; reference configuration via file or template.	1 token / month / device
Advanced	All Basic features plus Wi-Fi, cellular and GPS statistics; full history and telemetry; alarm configuration, detection and display; system, kernel and roaming logs.	3 tokens / month / device

Flexible subscription with no minimum commitment.

SEE WAVEMANAGER CLOUD IN ACTION

Request a live demo or a free Cloud trial

sales@acksys.fr | www.acksys.fr

About ACKSYS

ACKSYS develops industrial wireless communication solutions. WaveManager Cloud extends centralized management and remote operations to compatible ACKSYS networking equipment.

Support: https://support.acksys.fr

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