

# AleaFelix Next Generation

**AleaFelix NG** is the evolution of the **GPON management** system AleaFelix. A **comprehensive 100% web-based FTTx access network** management platform, designed to operate in multi-vendor, multi-operator and multi-device environments.

Its scope ranges from automatic ONT provisioning to full customer lifecycle management: **onboarding, real-time monitoring, network diagnostics, IP and service management.**

All from a single control point, accessible from any browser, with no additional hardware required.

In addition to a **refreshed, intuitive web interface**, the NG version introduces **new features** developed to meet market needs: **integrated web SSH terminal, real-time ACS monitoring, scheduled imports and expanded device and vendor support.**



**AleaFelixNG**

Your FTTx management  
at the next level

## MAIN FEATURES

### Multi-vendor Provisioning

Huawei, ZTE, Zhone, OLTs, ONTs y Gateway residencial.

### Integrated ACS

TR069 and TR181.  
Advanced templates and configurable parameters.

### DHCP IPv4 & IPv6

Felix multi-operator DHCP with dashboard, address ranges and occupancy alerts.

### Multi-operator System

Role-based network management.  
Full data privacy.

### Monitoring & Diagnostics

OLT/ONT, optical power, ACS events and customer map.

### RESTful API

To facilitate integration with third-party applications and systems.

## FLEXIBLE DEPLOYMENT

### ON PREMISE

Full infrastructure control

### CLOUD

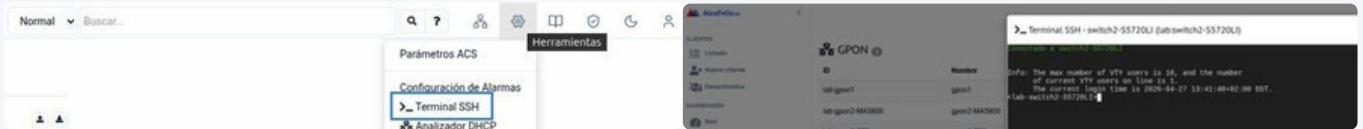
No upfront investment.  
High availability

### SAAS

Pay-per-use  
Minimal IT overhead

## INTEGRATED WEB SSH TERMINAL

Direct and secure remote access from the browser via a full terminal emulator.  
No additional SSH client required.

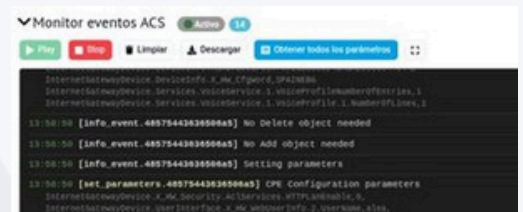


SSH terminal connected to device

Access from Tools menu

## REAL-TIME ACS MONITOR

- TR-069 and TR-181/ACS event monitor per contract
- Full ONT parameter snapshot
- CSV export and bulk import of ACS parameters
- Expandable view for long data lists



ACS event Monitor

## SCHEDULED CSV IMPORT

- Enables bulk customer uploads
- Automatic backups and status traceability
- Hourly scheduling
- 5-minute grace period



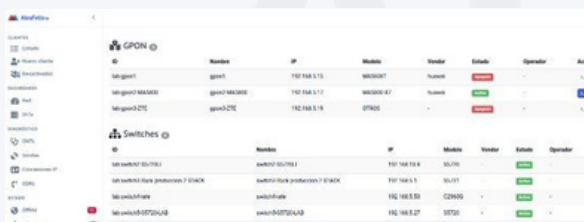
Scheduled imports



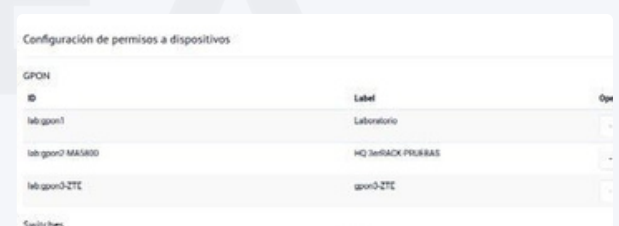
Import form

## MULTI-AREA RESOURCE MANAGEMENT

Role-based multi-area access assignment enabling action privileges by geographic area, equipment type and specific network areas. Fully redesigned management interface.



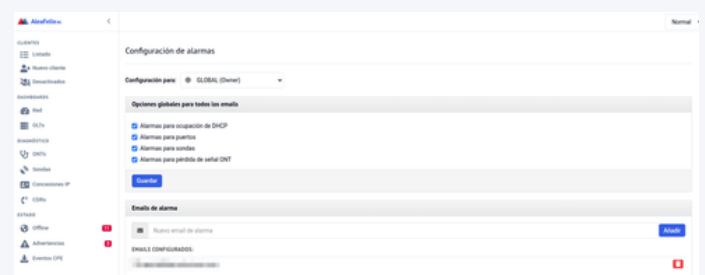
GPON, Switches and Routers view



Permissions configuration

## ADVANCED ALARM MANAGEMENT

Email-configurable alarms: ONT signal loss (LOS), DHCP occupancy, ports and probes. Global or per-operator configuration.



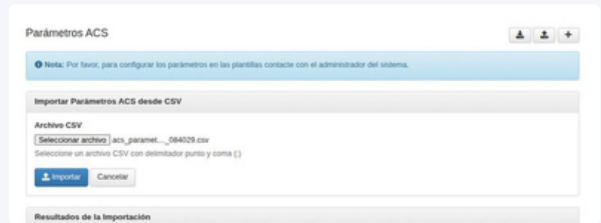
Alarm configuration by email

### ACS PARAMETER CONFIGURATION

- ACS parameter management via web interface;
- Bulk export/import via CSV
- Batch management across entire device fleets



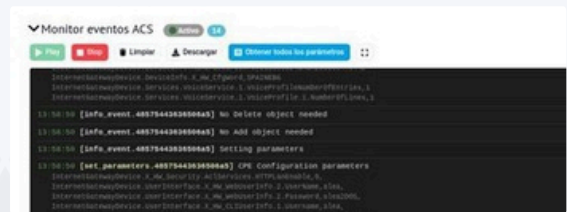
ACS parameters screen



Bulk import via CSV

### REAL-TIME ACS EVENT MONITOR

- Live TR-069 event view per CPE directly from the customer contract
- Play/Stop, log cleanup and download



ACS event monitor active in customer file

### DHCP TRAFFIC ANALYZER

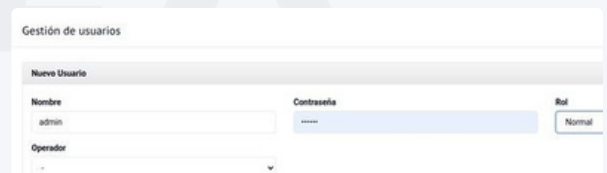
- Real-time DHCP traffic capture and analysis
- Interface and MAC filtering for fast and precise troubleshooting



DHCP traffic analyzer

### USER MANAGEMENT

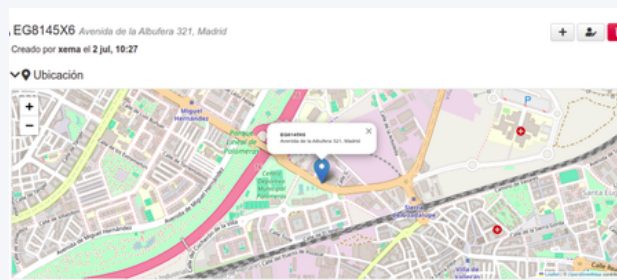
User and privilege management with configurable roles.



User management screen

### ONT GEOLOCATION

- Locate each installed ONT
- Map with address details
- Real-time ONT status view



ONT location map

## KEY FUNCTIONALITIES

- **New Interface**

More intuitive, responsive and easy to use.  
Light and dark mode.

- **Scheduled Customer Data Import**

Bulk loads with hourly scheduling and automatic backups.

- **ONT Geolocation**

ONT location on OpenStreetMap.

- **Bulk ACS Parameters**

Bulk parameter export/import.

- **Advanced Alarm & Event Management**

Configurable email notifications.

- **Integrated Web SSH Terminal**

Secure remote access to network devices from the browser

- **Real-time ACS Event Monitor**

TR-069 and TR-181 events per CPE from the customer file.

- **Multi-area Permission Management**

Role assignment by area for precise zone control.

- **DHCP Traffic Analyzer**

Real-time capture for troubleshooting.

- **MFA/2FA**

Two-factor authentication.

## USE CASES

### Operator



- Multitenant & Multi-operator
- Bitstream and White Label
- BSS/OSS integration
- +1M customers per instance

### Hospitality



- Centralized hotel management
- ONTs in rooms, common areas, CCTV
- Access control and services
- Integrated WiFi and VoIP

### Campus & Enterprise



- ONU per work area and intranet
- Multi-service per department
- Centrally managed WiFi APs
- Per-user bandwidth management