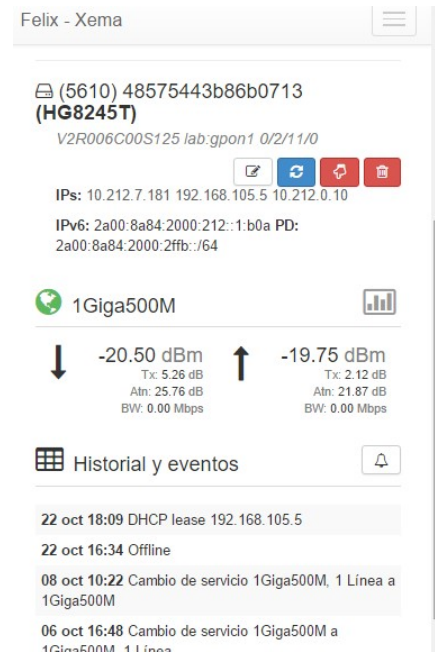


# AleaFelix

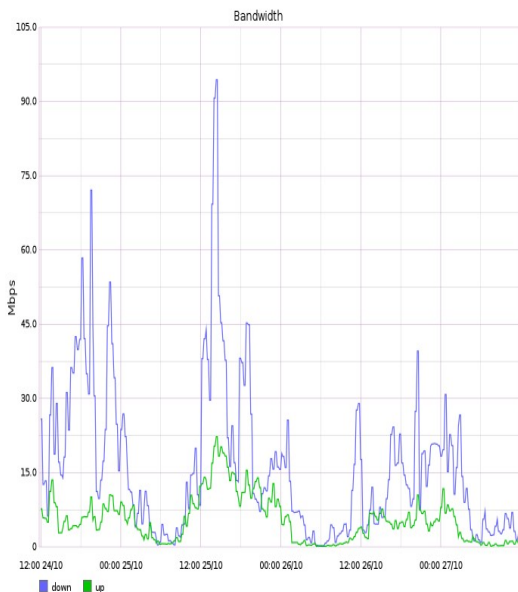
**AleaFelix** is a multi-user, multi-device, user-friendly software tool that provides comprehensive management for **HUAWEI GPON networks**. It encompasses complete management of Digital TV, Internet and Telephony under the same interface.

It offers effective provisioning of commercial services and products, created by the operator for his customers. It abstracts the user from low level configuration of machines, systems or complex and heterogeneous environments. AleaFelix configures FTTH networks at high level, with Data, Telephony and TV services, as well as IPTV and RF Overlay.

It provides various user profiles. Each profile provides different operating privileges.



- Screenshot monitoring Mobile App AleaFelix-



- Screenshot monitoring System AleaFelix-

AleaFelix has a user friendly graphical interface, with no need to install any special software to access it, as it works with web access, and is adapted to multiple device types.

It has an API for connecting to other web services, simple and easily through REST architecture.

It will completely auto-configure all parameters of the ONT, WAN management and VoIP, security IP, traffic management, telephony, and telephone services ...



AleaFelix monitors signal levels and traffic and generates real-time metrics. It provides graphs of different network parameters, such as, power received, bandwidth consumed, ONT and SIP online status ...

It is a modular and scalable tool, allowing to be distributed among several servers, in accordance of the evolution and growth of the network.

AleaFelix is a dynamic tool, and will reconfigure the ONT after changes or modifications in the FTTH network, regardless of its positioning in the OLT.

### Parts AleaFelix system:

- **AleaFelix:** User friendly grafical interface.
- **DHCP:** The system includes a DHCP server that can automatically provide clients of the network with IP and configuration. IP concessions to customers are saved to a register.
- **ACS:** Subscriber equipment configuration system. Configures the ONTs through the TR069 auto protocol.
- **Huawei *monitoring*:** SNMP monitoring system. Provides constant monitoring of all levels and traffic of the network.
- **Huawei *OLT*:** module responsible for configuring the OLT for the provision of the ONTs.

### Features:

- SNMP monitoring of levels and traffic.
- Interconnection with Billing System. Through an API, by REST architecture.
- Robustness
- Unified system.
- Easy to use, friendly interface, not technical.
- Integral management.
- User control, different profiles.
- Report export through CSV.
- Report export through CSV.
- Multi-device.
- Generation of metrics and graphs in real time.
- Supports VoIP / IPTV / RF Overlay management.
- Modular, it is scalable, as-you-grow.
- Generates event log: Connections, CDR's, DHCP.

