#### AirLive EMS Cloud





Dash	Live Status	Device
Board	Monitor	Alarm Notify
OLT Configure	ONU Configure	Local Serve

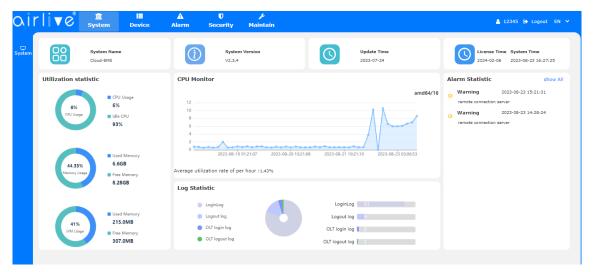
#### **EMS Cloud Overview**

AirLive EMS Cloud (Element Management System) is a network element management system and cloud platform for centralized remote unified management of OLT and ONU for administrators. The platform is based on advanced browser/server (B/S) architecture and can be deployed in both cloud or private network setups.

Users can unify the network management of OLT and ONU through a WEB browser, this includes Data config, Fault diagnosis, Performance statistics and other management functions, with an easy-to-use interface, which can greatly reduce the setup and maintenance cost.

EMS Cloud works with all the AirLive OLT and ONU devices and offers a great centralized platform for administrators to manage and monitor multiple units from a single location, without the need for on-premises access. The AirLive EMS Cloud can be accessed from local connection or anywhere with an internet connection, making it ideal for remote management of distributed networks.

It is a powerful tool for managing networks, particularly for organizations with locations or distributed workforces. The solution can be applied for, ISP, large scale campus, hotel & shopping mall.



## **Key function of AirLive EMS Cloud**

Free EMS Cloud Service: Binding up to 10000 devices\*.

**Centralized Management**: AirLive EMS Cloud provides a centralized platform for managing and monitoring multiple OLT and ONU's a local or remote location, simplifying network management and reducing the need for specialized IT staff.

**Uniform Configuration**: Support OLT, ONU management, the management interface is consistent with the WEB interface, so there is no new UI to learn and use.

**Data Security features**: AirLive EMS Cloud offers a range of security features, including Permission management, Data backup and Data transfer encryption.

<sup>\*</sup>depending on server specifications.

**AirLive EMS Cloud** 



### **Key function of AirLive EMS Cloud**

**Real-time Network monitoring**: AirLive EMS Cloud provides real-time monitoring of network performance, including traffic analysis and device health status, allowing administrators to quickly identify and troubleshoot issues.

**Different access levels:** AirLive EMS Cloud offers different access roles for management of the platform; these roles can be for viewing or full control of the platform.

**Future Support for APP**: AirLive EMS Cloud will have Support for Android APP, handheld management, operation and maintenance anytime & anywhere.

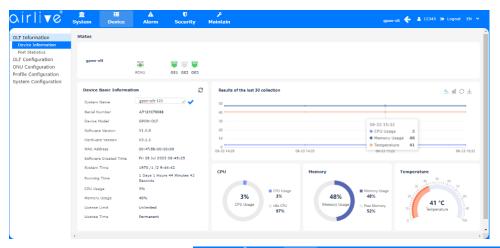
# **AirLive EMS Cloud Major Function Introduction**

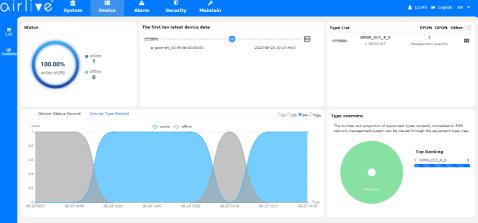
The AirLive EMS Cloud provides easy-of-use function for administrators to manage as well as troubleshoot network problem cost-effectively. The strong function include real-time monitoring via a user-friendly web-based dashboard, and an easy setup with the same layout as the OLT equipment.

# **Real-time Live Status Monitor and Alarm notification**

#### via user-friendly Dashboard

The Web-based dashboard can provide real-time monitoring of device traffic, helping end clients troubleshoot network congestion. The alarm notification feature can warn end clients when a device experiences heavy CPU or memory loading or connection conflicts, allowing them to take prompt action and minimize the risk of prolonged downtime or data loss. It can also assist end clients in making informed decisions about their network systems' performance and stability.





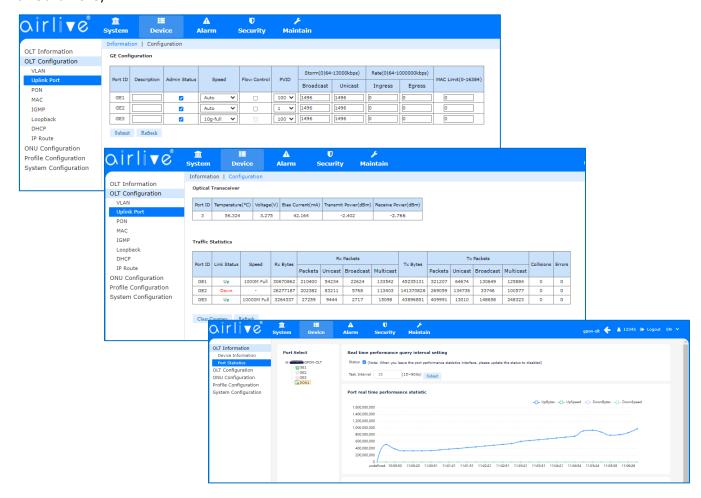
AirLive EMS Cloud Dashboard for Real-time Live Status Monitor

**AirLive EMS Cloud** 



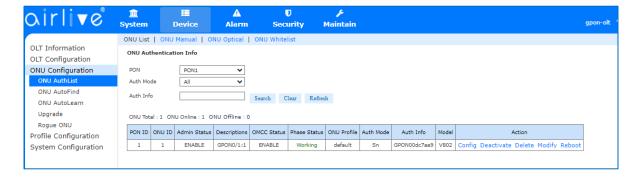
# **Easy to Use OLT and ONU Control**

The Web-based dashboard makes it easy to control both the OLT and ONU devices. The AirLive EMS Cloud platform follows the same layout as the OLT itself. This means there is no need to relearn the setup. All the same configuration buttons and function in the AirLive EMS Cloud are the same. This ease-of-use control saves the administrator and maintenance support time and money.



#### **ONU Autofind**

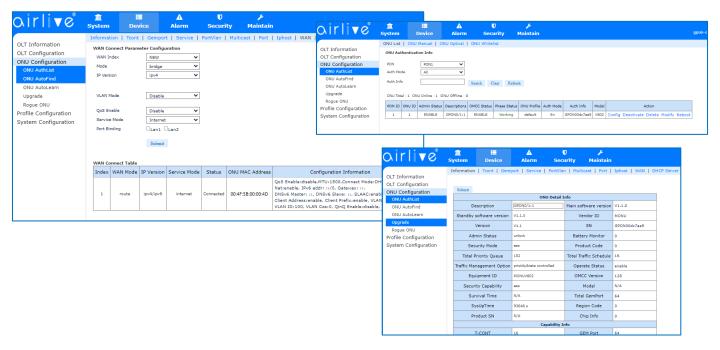
Adding ONU's to the OLT using there AirLive EMS Cloud is as easy as doing to in the OLT itself. When the ONU is connected to the OLT, the Autofind function will automatically detect the ONU and the device can be added to the OLT network and be setup using the EMS Cloud.





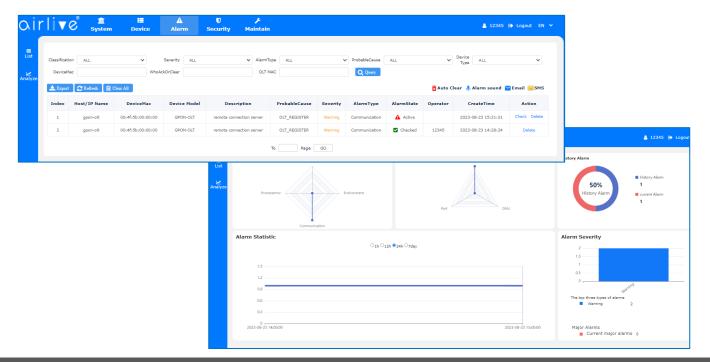
### **ONU Setup with EMS Cloud**

Because of the similar setup in the AirLive EMS Cloud and the OLT. The setup of the ONU is the same, it does not mater if an administrator is using the EMS Cloud or is directly connected to the OLT. After the ONU has been added all hardware and software features are displayed. Also, the ONU can be configured for the final setup. This includes settings up the WAN settings and any other features the ONU might have for example Wi-Fi or VoIP.



### **Alarm Monitoring**

Real-Time Alarm Monitoring, alarm collection, large scale collection of practical data and log records are also offered in the AirLive EMS Cloud. This to aid in keeping the network and device health status running and have the lowest downtime possible. As problems will be detected and a notification will be sent.

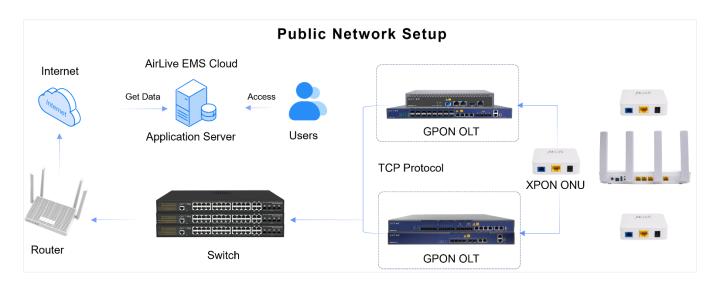


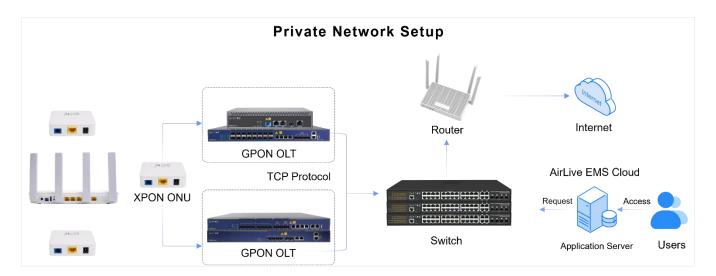
**AirLive EMS Cloud** 



# **Powerful Tool for Large Scale deployment and Application**

The AirLive EMS Cloud is based on advanced browser/server (B/S) architecture and can be deployed in both cloud or private network setups. Meaning it can be used on a local server for a smaller network like a hotel or campus or even for larger ISP network with Cloud access. Giving administrators a full range or options to work from.





# **Specification**



#### Model AirLive EMS Cloud Platform

#### Host

- Main Host: Server depended on number of OLT
- Minimum 4-Core CPU and ≥8G Memory
- Internet Connection: 5000mbps

#### **Operation System**

- OS:
- Window7-64bit
- Window10-64bit
- · Windows Server 2008-64bit
- CentOS7 64bit

#### Site Map

· Access OLT Device to EMS

GPON OLT remotely connect to EMS

Switch remotely connect to EMS

Query OLT/switch

• GPON OLT Configuration

**OLT Management-GPON** 

**OLT Information-GPON** 

**OLT Configuration-GPON** 

ONU List-GPON

Profile Configuration-GPON

System Configuration-GPON

- EMS System Info
- EMS Security Manage

Users

Role

Online

Login Log

OLT Log

Device Alarm

List

- ✓ Single device alarm
- ✓ Check the Alarm
- ✓ The Alarm Filtering
- ✓ Clean Alarm

Analyze

Maintain

List

- ✓ EMS Data Backup
- ✓ EMS Data Upload

Tasl

- ✓ Device Automatic Backup
- ✓ Download Device Backup File

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