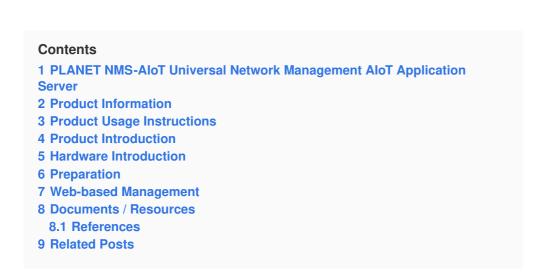


PLANET NMS-AloT Universal Network Management AloT Application Server User Manual

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PLANET NMS-AloT Universal Network Management AloT Application Server



Product Information

The Universal Network Management AloT Application Server NMS-AloT is a licensed product of PLANET Technology Corp. It is designed to provide advanced network management capabilities in AloT environments.



Specifications:

• Product Name: Universal Network Management AloT Application Server NMS-AloT

Manufacturer: PLANET Technology Corp.

• Model: NMS-AloT

• Copyright: 2024 PLANET Technology Corp.

• Compliance: FCC Class A, CE Class A, WEEE

• **Revision:** 1.0 (August 2024)

Product Usage Instructions

Hardware Introduction

Physical Descriptions

Refer to the hardware installation guide for detailed physical descriptions of the NMS-AloT server.

Hardware Installation

Follow these steps for hardware installation:

- 1. Choose a suitable location for the server with proper ventilation.
- 2. Connect power and network cables to the server.
- 3. Power on the server and follow the on-screen instructions for initial setup.

FAQ:

Q: What should I do if the server does not power on?

A: Check the power connections and ensure that the power source is functioning correctly. If the issue persists, contact customer support for assistance.

Q: How can I access the network management interface of the NMS-AloT server?

A: Use a web browser to enter the server's IP address in the address bar. Log in with the provided credentials to access the management interface.

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This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CE mark Warning

This device is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

WEEE

To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

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Revision

User's Manual of Universal Network Management AloT Application Server

Model: NMS-AloT

Rev.: 1.0 (August 2024) Part No. EM-NMS-AloT_v1.0

Product Introduction

Thank you for purchasing PLANET Universal Network Management AloT Application Server. PLANET NMS-AloT is described below:

• NMS-AloT: Universal Network Management AloT Application Server with LCD

Package Contents

Open the box of the NMS-AloT and carefully unpack it. The box should contain the following items:

If any of the above items are missing, please contact your dealer immediately.

Overview

Universal Network Management AloT Application Server with LCD

PLANET's NMS-AloT (Universal Network Management AloT) Application Server can directly monitor over 3,000 sensing devices. In the era of edge computing and AloT (Artificial Intelligence of Things) applications, enterprises require a high-performance, secure, and flexible management platform to integrate various wired and wireless IoT devices and massive environmental data. The NMS-AloT Application Server offers a comprehensive solution by integrating energy management, wide-area transmission, and Al edge computing, providing an efficient and secure Al private cloud network for enterprises.

PLANET NMS solution features intuitive dashboard, and map viewing to make network management efficient and effective.

The exclusive product features for PLANET NMS solution include:

- ESG energy management reporting with real-time sensor data analysis and carbon footprint reduction
- Supports integration with versatile IoT devices
- · Cybersecurity with IEC 62443 certified
- Supports private and PLANET cloud platforms



Unified Platform Integration

The NMS-AloT platform integrates multiple communication protocols, including LoRa, Wi-Fi HaLow, Modbus, and PDU. This integration allows the management of over 3,000 sensing devices, supporting both wired and wireless connections. It ensures seamless communication and efficient management of various IoT devices across an enterprise's infrastructure.



ESG Energy Management Reporting

One of the standout features of the NMS-AloT is its ability to support ESG (Environmental, Social, and Governance) energy management reporting. The platform provides real-time sensor data analysis and aids in reducing the carbon footprint by optimizing energy usage. This feature is critical for enterprises aiming to achieve sustainability and energy efficiency goals.

Cybersecurity Compliance

Security is a paramount concern in IoT deployments. The NMS-AloT platform is certified with IEC 62443, ensuring robust cybersecurity measures. It includes SSL VPN and hybrid VPN support, enhancing secure communications and protecting sensitive data from potential cyberthreats.

Al and Edge Computing Integration

The platform leverages Al edge computing capabilities to process data locally at the edge of the network. This reduces latency and enhances the efficiency of data processing. Real-time monitoring and predictive maintenance are enabled, thus optimizing operations and reducing downtime.

Flexible Deployment Options

The NMS-AloT supports both private and PLANET cloud platforms, offering flexible deployment options for enterprises. This flexibility ensures that the solution can be tailored to specific organizational needs, be it an on-premise or cloud-based platform.

Centralized Intelligent Management Interface

The NMS-AloT features a Centralized Intelligent Management Interface designed to be intuitive and user-friendly. This interface provides a comprehensive dashboard that offers real-time monitoring and management of all connected IoT devices. With clear visualizations and easy-to-navigate menus, users can quickly access vital information, analyze data, and make informed decisions. The user-centric design ensures that even those with minimal technical expertise can efficiently operate the system, maximizing productivity and minimizing downtime.



User-friendly Dashboard Design



Complete Data Report



Centralized Management of IoT Devices

Features

Key Features

- A unified platform integrating LoRa, Wi-Fi, HaLow, Modbus and more
- ESG energy management reporting with real-time sensor data analysis and carbon footprint reduction
- Supports integration with versatile IoT devices
- · Intuitive smart dashboard
- · Real-time environmental monitoring and analysis
- Precise device location mapping
- 24/7 real-time event notifications
- · Early error detection and anomaly resolution
- Embedded hardware controller for easy setup
- Easy installation for non-technical personnel
- Support for future software upgrades
- Support for private and PLANET cloud platforms

Hardware

- 6x 10/100/1000BASE-T RJ45 LAN ports
- 2x USB 3.0 ports
- 1x serial console port

Product Specifications

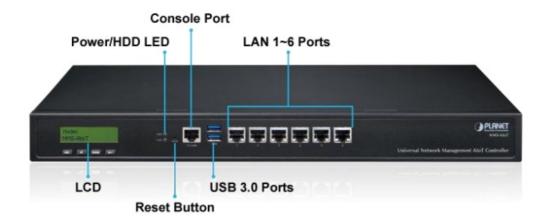
	NMS-AIoT		
	Universal Network Management AloT Application Server with LCD & 6 10/100 /1000T LAN Ports		
Physical Specifications			
	6 10/100/1000BASE-T Gigabit Ethernet RJ45 ports (LAN 5 and LAN 6 are de signed for bypass functionality.)		
	2 USB 3.0 ports (They cannot be used at the same time.)		
I/O Interface	1 factory default button (GPIO)		
	1 RJ45 console port		
	2 DB-9 COM,COM2 (reserved)		
Storage	2.5" 64G SATA HDD		
LED	2 LED (Power / HDD)		
LCM Size (Active Area)	49.45 (W) x 9.58 mm (H)		
LCM Button	4 touch buttons for enter, exit, up and down		
	438 (W) x 180 (D) x 44 mm (H)		
Dimensions (W x D x H)	17.24" (W) x 7.09" (D) x 1.73" (H)		
Weight	3 kg (6.62 lbs)		
Form Factor	1U 19-inch rack-mount		
Enclosure	Metal		
	3-pin AC power input socket		
Power Requirements	AC 100~240V , 65W		
Environment & Certification			
	Operating: 0 ~ 50 degrees C		
Temperature	Storage: -20 ~ 70 degrees C		

Humidity	5 ~ 90% relative humidity (non-condensing)		
MTBF (Hours)	100,000		
Network Management			
Dashboard	Providing the at-a-glance view of center system, events summary, monitored record of each sensor and real-time alarm status		
Device List	Manages all sensors and devices in the NMS-AloT		
Detail Information	Displays monitoring and history records, the latest 10 events, and current sen sor information		
User Management	Privilege level configuration		
Event Reports	The alarm event of each sensor can be reported based on customized rules o r system updates/changes.		
Alarm System	Email alerts for the administrator via the SMTP server		
Automatic Rules	Create one or more customized automatic rules for each sensor		

Maximum Scalability	3,000 nodes		
Standards Conformance			
Regulatory Compliance	CE, FCC		
	IEEE 802.3 10BASE-T		
Standards Compliance	IEEE 802.3u 100BASE-TX		
	IEEE 802.3ab Gigabit 1000BASE-T		

Hardware Introduction

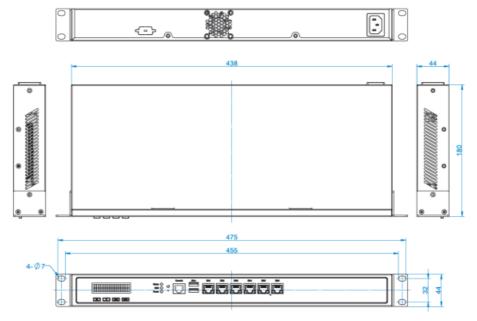
• Physical Descriptions





• Mechanical Drawing

NMS-AloT



• Hardware Interface Definition

Interface	Description
AC IN	100~240V~, 0.59A max.
LCM	Easy system operation by pressing the button
USB Port	Connect the USB HDD to enable USB backup/restoration function
LAN Ports (1-6)	10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports
PWR LED	Indicates that the device is powered on (Green)
HDD LED	Indicates that the HDD is working (Green)

Hardware Installation

Refer to the illustration and follow the simple steps below to quickly install your NMS-AloT. Set up the NMS-AlOT Controller with Ethernet connection for the first-time configuration by following the steps below.



Default IP Address: 192.168.1.100

Default Management Port: 8888

Default Username: admin Default Password: admin

Launch the Web browser (Google Chrome is recommended.) and enter the default IP address "https://192.168.1.100:8888". Then, enter the default username and password shown above to log on to the system.

The secure login with SSL (HTTPS) prefix is required.



After logging on, connect the NMS-AloT Controller to the network to centrally control PLANET managed devices.

Preparation

Before getting into the device's web UI, user has to check the network setting and configure PC's IP address.

Requirements

User is able to confirm the following items before configuration:

- 1. Please confirm the network is working properly; it is strongly suggested to test your network connection by connecting your computer directly to ISP.
- 2. Suggested operating systems: Windows 7/8/10/11, macOS 10.12 or later, Linux Kernel 2.6.18 or later, and other modern operating systems are compatible with TCP/IP protocols.
- 3. Recommended web browsers: Google Chrome, Microsoft Edge or Mozilla Firefox.

Setting TCP/IP on your PC

The default IP address of the NMS-AloT is 192.168.1.100. To successfully connect to NMS-AloT, users need to configure their computer with a static IP address or ensure that a DHCP server is available on their network. Below are the detailed steps.

Method 1: Setting a Static IP Address

- Open Network and Sharing Center
 On Windows, right-click the network icon in the taskbar and select "Open Network and Sharing Center."
 On macOS, open "System Preferences" and click on "Network."
- 2. Select the Active Network Connection
 On Windows, click on the name of the current network connection (e.g., Ethernet or Wi-Fi). On macOS, select the active network interface from the list on the left (e.g., Wi-Fi or Ethernet).
 3. Configure IP Address
 On Windows, click "Properties," then select "Internet Protocol Version 4 (TCP/IPv4)" and click "Properties."
 On macOS, click "Advanced," then select the "TCP/IP" tab.
- 3. Set a Static IP Address

 Set the "IP Address" to: 192.168.1.x, where x is any number between 2 and 254 that is not the same as NMS-

AloT's IP address (192.168.1.100).

Set the Subnet Mask to: 255.255.255.0

Set the Default Gateway to: 192.168.1.1 (If the known gateway address is different, set it accordingly.)

The DNS server addresses can be left blank or set to a public DNS server (e.g., 8.8.8.8).

4. Save Settings and Close the Window

Click "OK" to save the settings and close all windows.

5. Test the Connection

Open a web browser and enter https://192.168.1.100 in the address bar to verify that you can connect to the management interface of Device A.

Method 2: Using a DHCP Server

1. Ensure a DHCP Server is Available

Make sure that a DHCP server or use PLANET Gateway is running in the current network environment. Typically, home routers have built-in DHCP functionality.

2. Set the Computer to Obtain an IP Address Automatically

On Windows, follow the steps above to access the "Internet Protocol Version 4 (TCP/IPv4)" settings. Select "Obtain an IP address automatically" and "Obtain DNS server address automatically". On macOS, go to the "TCP/IP" settings and set "Configure IPv4" to "Using DHCP".

3. Save Settings and Close the Window

Click "OK" or "Apply" to save the settings and close all windows.

4. Test the Connection

Similarly, enter https://192.168.1.100 in a web browser to verify that you can connect to NMS-AIoT.

Web-based Management

This chapter provides setup details of the device's Web-based Interface.

Introduction

The device can be configured with your Web browser. Before configuring, please make sure your PC is under the same IP segment with the device.

Logging in to the NMS-AloT

Refer to the steps below to configure the NMS-AloT:

- Step 1. Connect the IT administrator's PC and NMS-AloT's LAN port (port 1) to the same hub / switch, and then launch a browser to link the management interface address which is set to https://192.168.1.100 by default.
- Step 2. The browser prompts you for the login credentials. (Both are "admin" by default.)

Default IP address: 192.168.1.100

Default user name: adminDefault password: admin

Administrators are strongly suggested to change the default admin and password to ensure system security.

Dashboard Page

Upon successful login, the main web page will load, displaying the web dashboard with summary information, a

sensor history chart, and real-time event alarms.



Figure 4-3-1: Dashboard Page

Summary Information

The Event Summary displays the daily count of event records, allowing review of data from the past seven days, as shown in Figure 4-3-2.

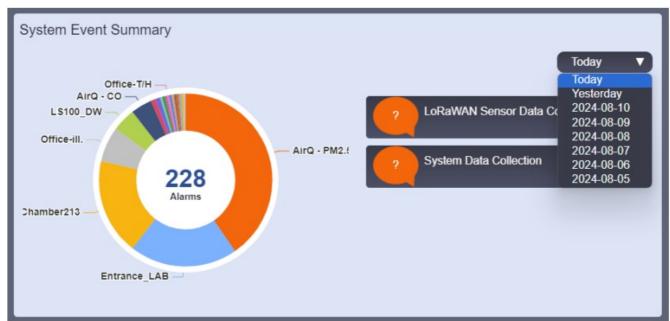


Figure 4-3-2: Event Summary

Sensor History Chart

The sensor history chart displays alias-based sensor data over daily, weekly, and monthly intervals. Users can also switch to viewing sensors located in different locations, as shown in Figure 4-3-3

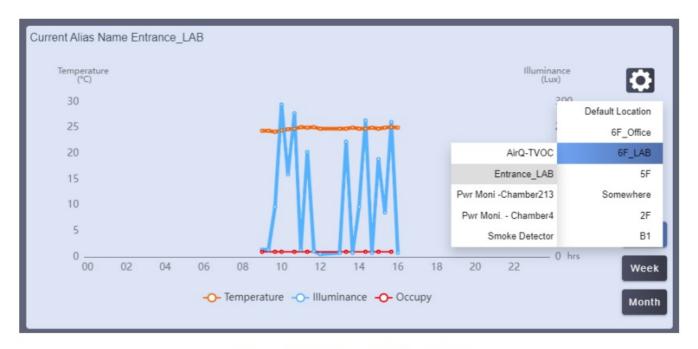


Figure 4-3-3: Sensor History Chart

· Real-time Event Alarm

The Real-time Event Alarm chart provides an up-to-the-minute display of event alerts as they occur. This chart helps users monitor and respond to critical events in real time, ensuring prompt action and increased situational awareness, as shown in Figure 4-3-4



Figure 4-3-4: Real-time Event Alarm

Menu and Shortcut

Shortcut

In the top right corner of the screen, you'll find several shortcut buttons for quick access to preset screens, along with a menu that consolidates various functions.

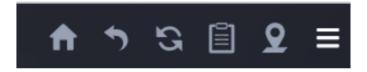


Figure 4-3-5: Shortcut and Menu

Object	Description
lacktriangle	Click the 'Home' button to navigate to the dashboard page.
5	Click the 'Back' button to return to the previous page.
5	Click the 'Refresh' button to refresh the current web page.
	Click the 'Refresh' button to navigate to the overview page.
2	Click the 'Map' to navigate to the default map page.
≡	Click the 'Menu' button to display the list of functions.

Menu

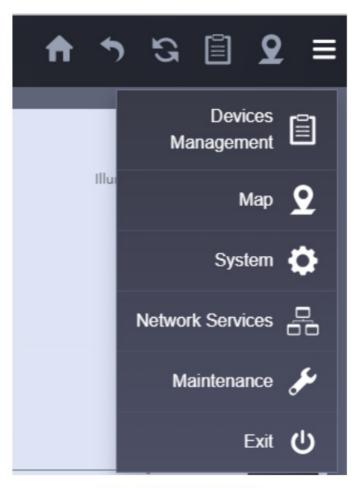


Figure 4-3-6: Menu List

Object	Description	
Device Managemen t	The Device Management feature allows you to manage, monitor, and configure all devices linked to NMS-AloT. It includes both graphical and text-based views, as well as all automated management options.	
Мар	The Map feature allows you to assign a location to each device and place them on various customized maps.	
System	The System feature provides settings pages for configuring NMS-AloT devices, as well as management pages for NMS-AloT accounts and groups.	
Network Services	The Network Services feature offers configuration pages for various network se rvices.	
Maintenance	The Maintenance feature includes configuration pages for NMS-AloT devices, a s well as management of system updates, upgrades, data backups, system logs, and event logs.	
Exit	The Exit feature provides options for logging out, rebooting, and shutting down the system.	

Device Management

Overview page

The graphical interface provides a fast and intuitive way to visualize device status, monitored values, and supervisory conditions. This allows users to easily interpret data, assess system performance, and quickly identify any issues that require attention, all through a visually engaging and informative display.



Figure 4-4-1: Overview Page

Filter Feature

You can quickly display a selected list of sensors by using the location menu, filtering by sensor category,

or applying text-based filters. This allows for efficient navigation and easy access to the specific sensors you need.



Figure 4-4-2: Filter Item

Clicking on an image allows you to access the device or sensor's monitoring data, view historical records, check event logs, and review the current configuration settings for the device or sensor.

The following diagram uses the Example LS200-CM3 sensor as a reference.



Figure 4-4-3: Overview Page



Figure 4-4-4: Device Info Page

• LS200-CM3: The LoRaWAN 3-phase Current Meter, designed for robust industrial power monitoring, excels

The left side of the screen displays sensor device record charts, which can be viewed and marked by day, week, or month in the historical records. Threshold indicators and on-click value displays provide clearer insights into alert monitoring status and associated values.

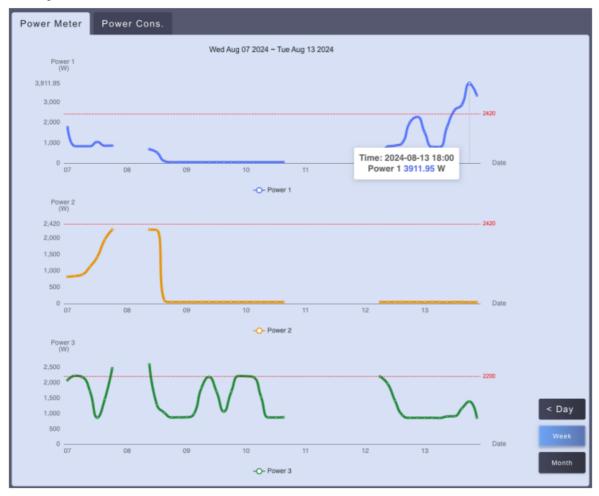


Figure 4-4-5: Power Meter Sensor Chart

Displays and statistics for annual, quarterly, and daily data, as well as budget charts for the entire month.



Figure 4-4-6: Power Meter Sensor Chart

The top right corner displays the current status and information of the selected sensor.



Figure 4-4-7: Device Information View

The bottom right corner displays the 10 most recent event records for the selected sensor.

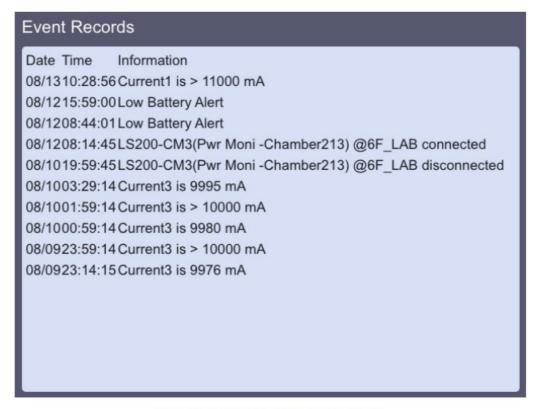


Figure 4-4-8: Event Records View

On the sensor information page, there are shortcut keys for editing device settings, configuring automation rules, and resetting the current session.



Figure 4-4-9: Shortcut of Device Settings

Device Edit

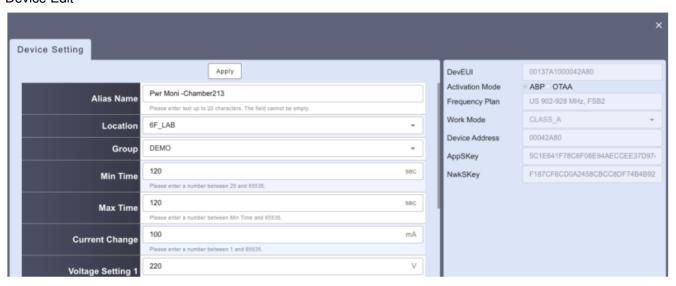


Figure 4-4-10: Device Setting Page

• Edit Rule

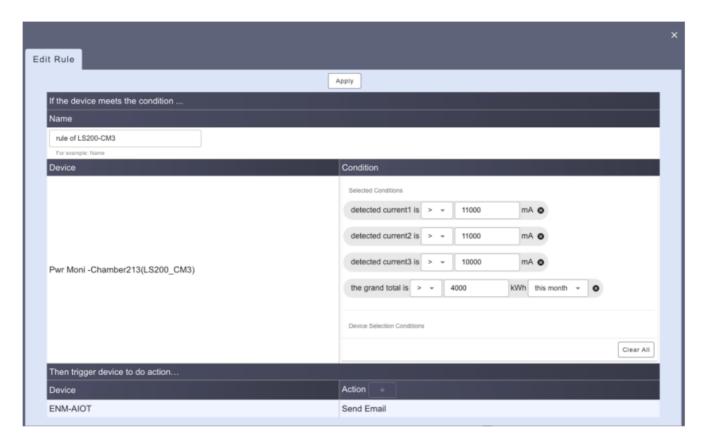


Figure 4-4-11: Automation Rule Setting View

Device List

The text-based tabular list offers a comprehensive and easily navigable overview of the status of all devices and sensors, allowing you to quickly assess their condition at a glance. The table is designed for efficiency, with multiple shortcut keys that provide instant access to the relevant settings and configurations of any selected device, streamlining your management and ensuring that adjustments can be made swiftly and accurately as shown in Figure 4-4-12.



Figure 4-4-12: Text-based Tabular List

Object	Description	
Status	The online or offline status of the device	
Group	The group settings for the device	
Device Type	The device type of the device	
Model Number	The model number or model name of the device	
Alias Name	The alias name of the device	
DevEUI	The unique device identifier of the LoRaWAN sensor	
Device Description	The device description of the device	
Location	The location setting of the device	
Action Device Info: to navigate to the Device Info page Device Setting: to navigate to the Device Setting page Automation Rule: to navigate to the Automation Rule page Remove: to remove the device from NMS-AloT		



Object Description	
•	Add device
	Remove device
Filter by Content Q	Filter device list by content

• Add Device

To add a LoRaWAN Gateway

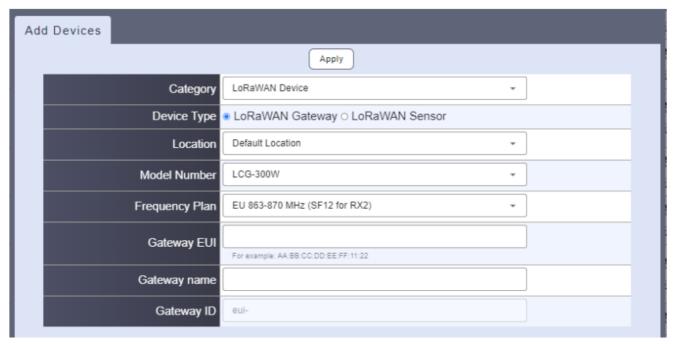


Figure 4-4-13: Add LoRaWAN Gateway View

Object	Description		
Category	To select the bindable device category.		
Device Type	To select the bindable device type.		
Location	To assign a location for the new device (default is 'Default Location').		
Module Number	To select the bindable module number.		
Frequency Plan	To select a frequency plan for the LoRaWAN gateway.		
	To enter the DevEUI of LoRaWAN gateway.		
Gateway EUI	* Required field		
Gateway Name	To enter a clear and meaningful gateway name for this LoRaWAN gateway.		
Gateway ID	The ID will be automatically generated by the Gateway EUI.		

Add New LoRaWAN Sensor

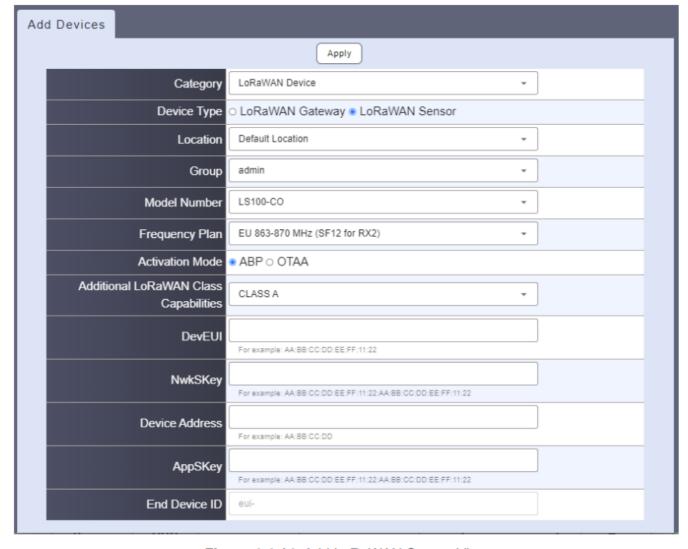


Figure 4-4-14: Add LoRaWAN Sensor View

Object	Description		
Category	To select the bindable device category.		
Device Type	To select the bindable device type.		
Location	To assign a location for the new device (default is 'Default Location').		
Group	To assign a group for the new device.		
Module Number	To select the bindable module number.		
Frequency Plan	To select a frequency plan for the LoRaWAN sensor.		
Activation Mode	Activation by Personalization (ABP) Over-The-Air-Activation (OTAA)		
Additional LoRaWAN Class Capabilities	Three device types: Class A, Class B, and Class C		
DevEUI	The DevEUI uniquely identifies the end device. * Required field		
NwkSKey	The Network Session Key (NwkSKey) is used for interaction between the Node and the Network Server. * Required field		
Device Address	The end device within the current network. * Required field		
AppSKey	The Application Session Key (AppSKey) is used for encryption and decryption of the payload. * Required field		
JoinEUI (AppEUI)	The AppEUI uniquely identifies the entity able to process the Join-req frame. * Required field		
АррКеу	The Application Key (AppKey) is the encryption key used for messages during each over-the-air activation. * Required field		
End Device ID	The ID will be automatically generated by the DevEUI .		

Note: The values for DevEUI, NwkSKey, Device Address, AppSKey, AppEUI, or AppKey can be found on the label of the sensor or its packaging, or you can contact the provider.

Automation Rule

Automation rules help streamline operations, improve efficiency, and ensure that important actions are taken

promptly based on real-time data or system events.

				◆ Filter by Cor	tent
Name		Event	A	ction	
Rule Name	Device	Condition	Device	Action	Edit
ule of LS100-WL	Water Leak DET	detected Water leak	ENM-AIOT	Send Email	tio do
ule of LS100-PIR	Entrance_LAB	detected temperature is > 28.00 °C detected Occupied	ENM-AIOT	Send Email	60 6
ule of LS100-DW	LS100_DW	detected door Open	ENM-AIOT	Send Email	60 à
ule of LS200-TH	Office-T/H	detected temperature is > 28.00 °C detected humidity is > 65.00 %	ENM-AIOT	Send Email	(i) (ii)
ule of LS200-PT	LS200-PT_B1-Temp.	detected temperature is > 79.00 °C	ENM-AIOT	Send Email	(ii) di
ule of LS200-TC	LS200-TC_B1-Temp.	detected temperature is > 79.00 °C	ENM-AIOT	Send Email	(i)
ule of LS200-LG	Office-ill.	detected illuminance is > 5000.00 Lux	ENM-AIOT	Send Email	(i)
ule of LS200-CM3	Pwr Moni -Chamber213	detected current 1 is > 11000.00 mA detected current 2 is > 11000.00 mA detected current 3 is > 10000.00 mA the grand total is > 4000 kWh this month	ENM-AIOT	Send Email	to to
ule of LS200-VOC	AirQ-TVOC	detected TVOC is > 150.00 ppb detected temperature is > 28.00 °C detected humidity is > 65.00 %	ENM-AIOT	Send Email	60 à
ule of LS200-PM25	AirQ - PM2.5	detected PM25 is > 100.00 µg/m³ detected temperature is > 28.00 °C detected humidity is > 60.00 %	ENM-AIOT	Send Email	(i) (ii)

Figure 4-4-15: Automation Rule Page

Object	Description		
•	Add a new automation rule for a sensor		
Filter by Content Q	Filter device list by content		
Rule Name	The name of Automation Rule		
Device for Event	Refers to a specific device within a system that is responsible for		
Device for Event	initiating or triggering certain events based on predefined conditions.		
Condition for Event	Refers to the specific criteria or circumstances that must be met for		
Condition for Event	an event to be triggered within a system or application.		
	Refers to a specific device within a system that is responsible for		
Device for Action	executing or performing a predefined action when certain conditions		
	are met or when an event is triggered.		
	When a device is set to execute or operate a specific action, the		
Action	system sends a command or signal to the "Device for Action" to		
	perform its designated task.		
Edit	Automation Rule: to navigate to the Automation Rule page.		
	Remove: to remove the device from NMS-AloT		

Map

This page allows you to mark sensor devices on the uploaded floor plan, enabling quick identification of device status through the map. By visualizing the placement of each device on the floor plan, you can easily monitor and manage your sensor network. The map feature provides a comprehensive view of your setup, making it easier to

detect issues, track performance, and optimize the placement of your devices for better coverage and efficiency as shown in Figure 4-4-16.



Figure 4-4-16: Map Page

This page displays Map settings page as shown in Figure 4-4-17.



Figure 4-4-17: Edit Map Page

This page displays Location settings page as shown in Figure 4-4-18.

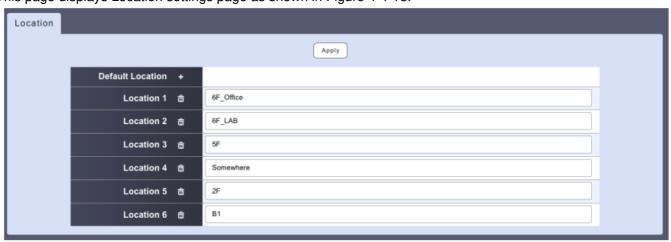


Figure 4-4-18: Edit Location Page

· Date and Time

Time settings and NTP functionality allow you to configure the system clock and synchronize it with a Network Time Protocol (NTP) server. Accurate time synchronization is essential for ensuring that all system logs, event timestamps, and scheduled tasks are consistent and reliable. By using NTP, you can automatically keep the system time accurate, reducing the risk of time-related errors and improving the overall system performance. This page displays Date and Time settings page as shown in Figure 4-4-19.

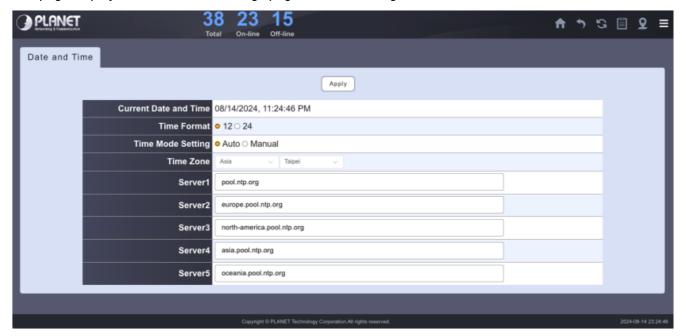


Figure 4-4-19: Date and Time Settings Page

IP Settings

Device IP configuration allows you to set the IP address for the device, ensuring it can communicate effectively within the network. Proper IP address configuration is essential for network connectivity, enabling the device to interact with other devices, access servers, and perform its designated functions. You can configure the device with a static IP address for consistent network performance, or use DHCP to automatically assign an IP address, depending on your network requirements.

This page displays IP settings page as shown in Figure 4-4-20.



Figure 4-4-20: IP Settings Page

Account Settings

Login account settings allow you to change the account password, with requirements that the password meets high-security standards. This includes criteria such as a minimum length, the use of uppercase and lowercase letters, numerals, and special characters to ensure strong protection against unauthorized access. Regularly updating passwords and adhering to these strong password policies help safeguard your account and maintain system security.

This page displays account setting page as shown in Figure 4-4-21.



Figure 4-4-21: Account Setting Page

User Management

The User Account Management and Group Settings functions can only be edited and managed by users with the highest level of permissions (admin). This ensures that critical account and group configurations are securely controlled, minimizing the risk of unauthorized changes and maintaining the integrity of the system. This page displays user settings page as shown in Figure 4-4-22.

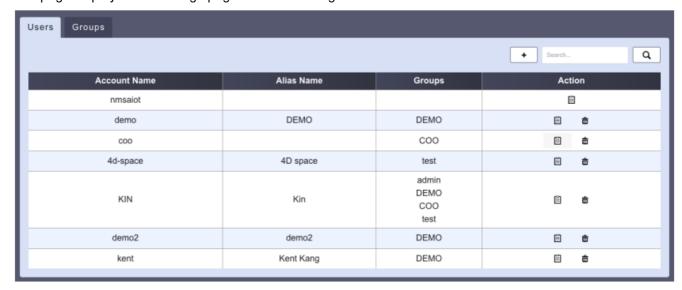


Figure 4-4-22: Users Setting Page

This page displays group setting page as shown in Figure 4-4-23.

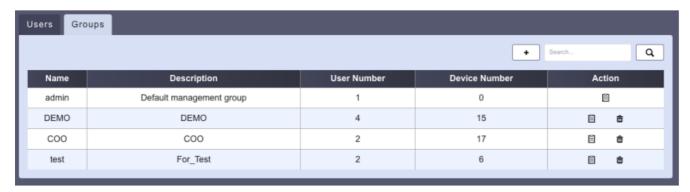


Figure 4-4-23: Group Setting Page

Network Services

Mail configuration supports email services such as SMTP and Microsoft Exchange Web Server, allowing events to be sent to specified email addresses. This feature ensures that you receive timely notifications about critical events directly in your inbox, enabling swift responses to system alerts. By configuring multiple recipients, you can ensure that the right team members are informed immediately, enhancing the overall reliability and responsiveness of your monitoring system. The Mail Configuration is shown in Figure 4-4-24.

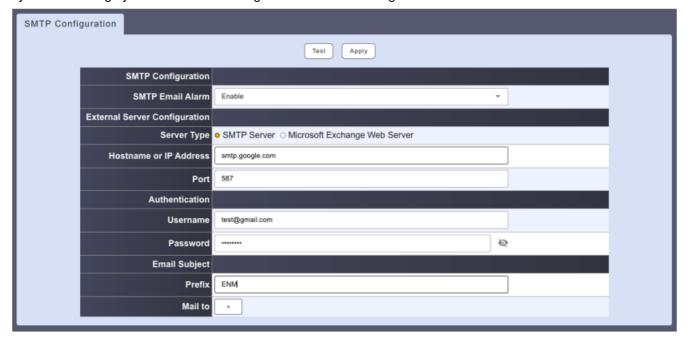


Figure 4-4-24: Mail Configuration Page

Object	Description
SMTP Email Alarm	Disable or enable the mail function. The default configuration is disabled.
Server Type	Supports SMTP and Microsoft Exchange Web Server mail service.
Hostname or IP Address	To enter the mail server hostname or IP address.
Port	The mail server port.
Username	Username for mail service.
Password	Password for mail service.
Prefix	Add a custom string to the subject line of outgoing emails.

Maintenance

· Backup and Restore

The Backup and Restore feature allows you to save and recover device configurations, including network settings, mail configurations, account and group settings, and more. This functionality is crucial for ensuring that your system can be quickly restored to a known good state in the event of a system failure, configuration error, or other issues. Regular backups provide peace of mind, knowing that all critical settings are securely stored and can be easily retrieved to maintain system continuity and integrity.

This page displays Backup and Restore function as shown in Figure 4-4-25.



Figure 4-4-25: System Settings Backup & Restore Page

· Event and Log

Monitoring events and logs allows administrators to review system activity, diagnose issues, and ensure the proper functioning of the system by maintaining a comprehensive history of operations.

'Events' typically represent significant actions or changes, such as alarms, notifications, or system status updates, while 'Logs' provide a detailed record of these events, including timestamps and other relevant data. This page displays Events List as shown in Figure 4-4-26.

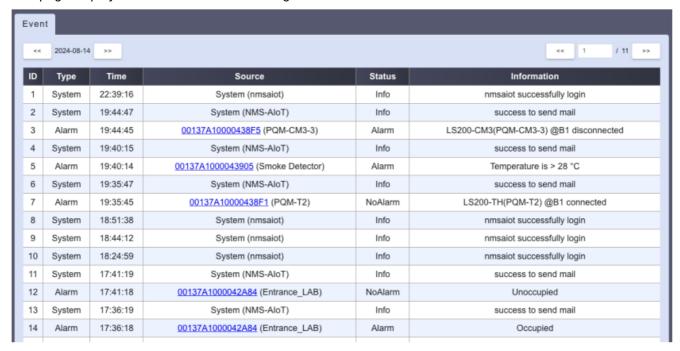


Figure 4-4-26: Events List Page

Factory Default

This page displays Factory Default setting as shown in Figure 4-4-27.

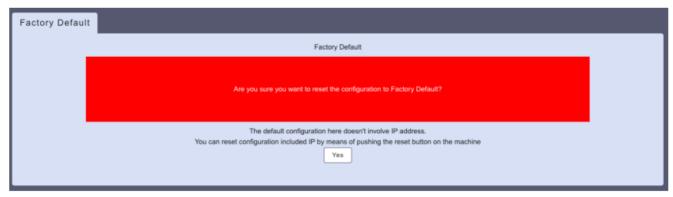


Figure 4-4-27: Factory Default Setting Page

System Information

System Information provides details about the device's current status, including CPU usage, hard drive capacity, memory utilization, and the display of the firmware (FW) version. This information is crucial for monitoring the overall health and performance of the system, helping administrators to identify potential issues, manage resources effectively, and ensure that the system is operating with the correct firmware.

This page displays system information as shown in Figure 4-4-28.

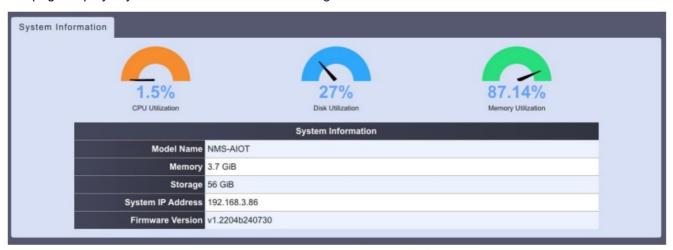


Figure 4-4-28: System Information Page

This page displays system upgrade as shown in Figure 4-4-29.



Figure 4-4-29: System Upgrade Page

Documents / Resources



<u>PLANET NMS-AloT Universal Network Management AloT Application Server</u> [pdf] User Manual

NMS-AloT, NMS-AloT Universal Network Management AloT Application Server, NMS-AloT, Universal Network Management AloT Application Server, Management AloT Application Server, AloT Application Server, Server

References

• User Manual

Manuals+, Privacy Policy

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