PLANET Networking & Communication

Quick User Guide

UNC-NMS

Overview

Overview

- **Main Features:**

Dashboard	Providing an at-a-glance view of center system, site summary, site map, traffic, and PoE network status.
Site Management	Creating a site list and site map for NMS agent management.
Device List	Managing all site devices or filtering devices for specific sites for NMS agent functions.
Statistic	Displaying top 10 event reports, history comparisons, and critical events for devices.
Topology Viewer	A topology of network devices compliant with MQTT, SNMP, ONVIF, Smart Discovery and LLTD Protocol with or without a map.
Event Reports	The status of a network can be reported via network alarm, and system log.
Alarm System	Email alerts for the administrator via the SMTP server
Switch Virtual Panel	Directly configuring the switch for basic functions.
Batch Provisioning	Enabling multiple APs to be configured and upgraded at one time by using the designated profile for each site.
Coverage Heat Map	Real-time signal coverage of APs on the user-defined floor map to optimize Wi-Fi field deployment.
Customized Profile	Allowing the creation and maintenance of multiple wireless profiles
Auto Provisioning	Multi-AP provisioning with one click
Cluster Management	Simplifying high-density AP management.
Zone Plan	Optimizing AP deployment with actual signal coverage.
Authentication	Built-in RADIUS server seamlessly integrated into the enterprise network
User Control	Allowing on-demand account creation and user-defined access policy
Scalability	Offering free system upgrades and bulk upgrades for AP firmware.
Maximum Scalability	Supporting 100 sites, 100 site maps and 102,400 nodes

Overview

Network Management Characteristics

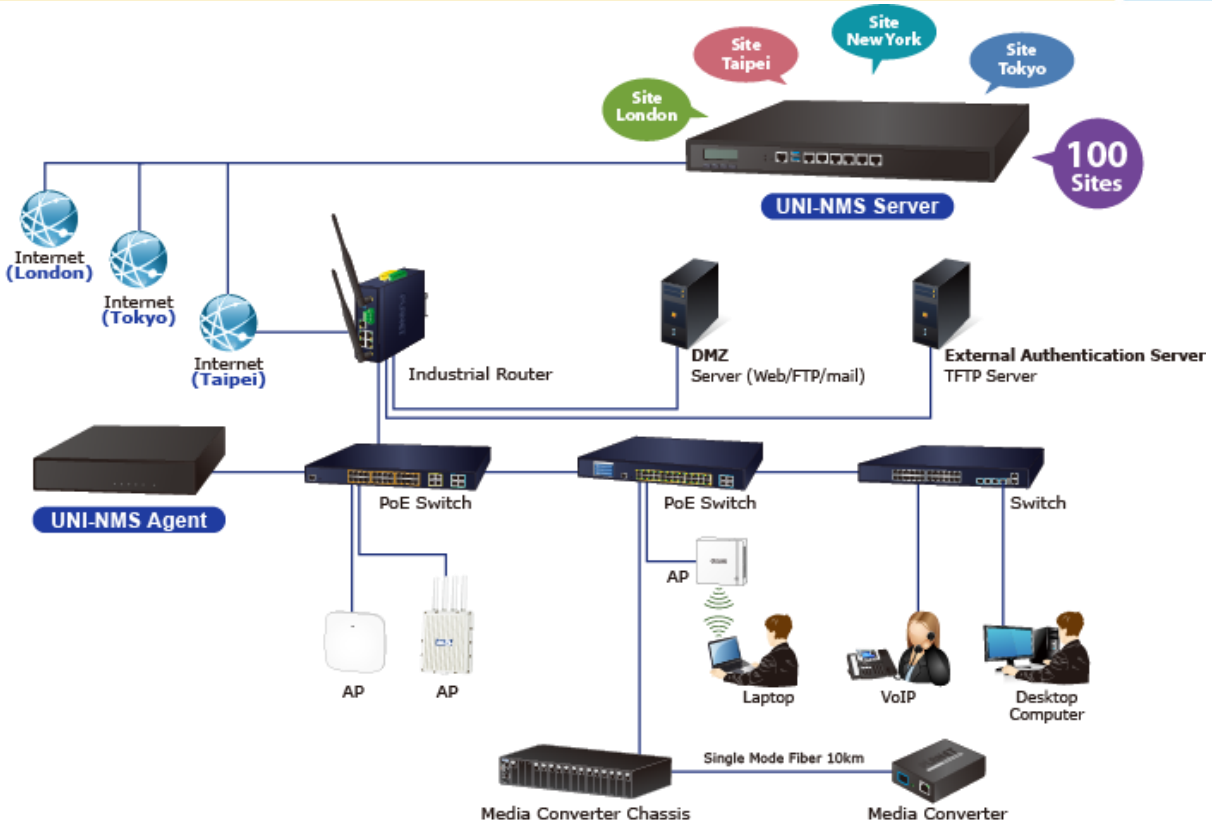
- Built-in DHCP Server
- Built-in RADIUS Server
- SSL secure access
- Certification Authentication
- Web-based GUI management interface
- SNMP v1, v2c, and v3 management
- Supports PLANET DDNS/Easy DDNS

Industrial-grade Physical Hardware

- 6 x 10/100/1000BASE-T Gigabit Ethernet RJ45 ports (LAN 5 and LAN 6 are bypass ports.)
- 1 x LCM for basic system setting
- 2 x LEDs (power and HDD)
- 2 x USB 3.0 ports for configuration backup and restoration
- 1 x RJ45 console port
- 1 x reset button
- 1 x 3-pin AC power input socket for 100~240V
- 1U rack mounting

APPLICATIONS

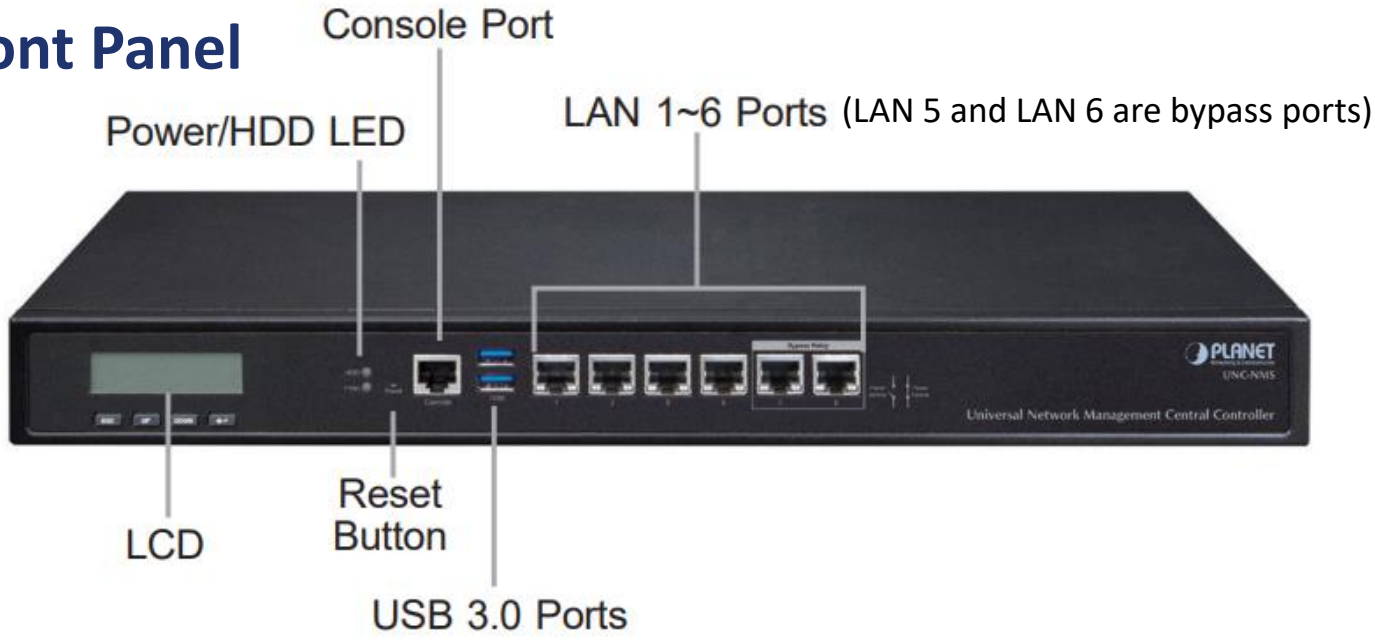
Applications



Before First Login

Product Overview

Front Panel

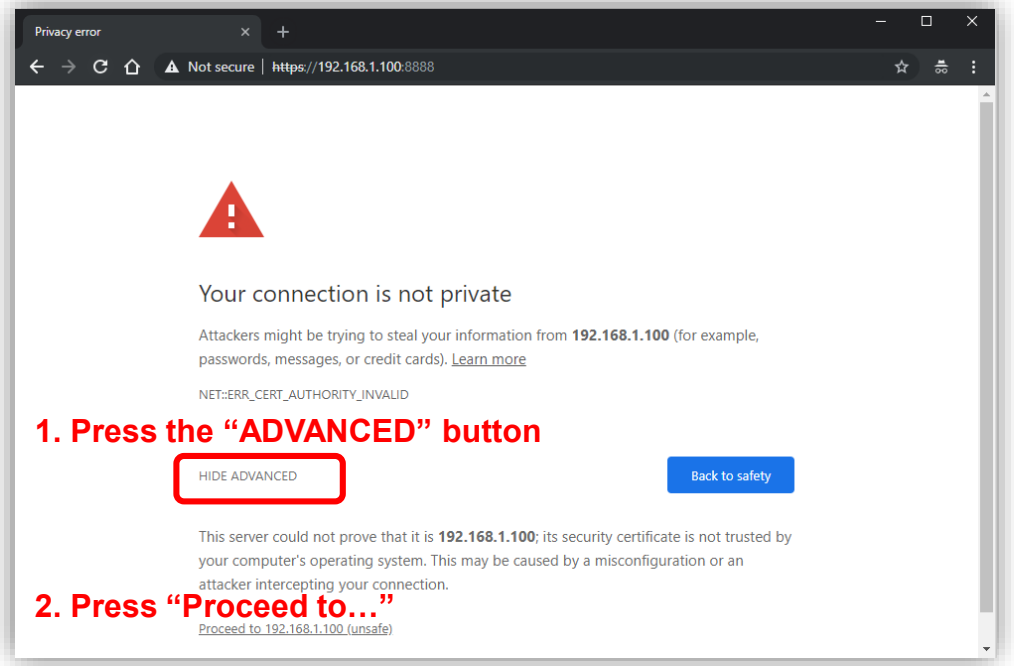


Product Overview

Back Panel

Remote Logging in NMS

- Open Chrome/Firefox to log in the NMS.(Default IP: https://192.168.1.100:8888)
- Please use Chrome/Firefox to get fully supported. (UI Resolution 1280 x 1024)

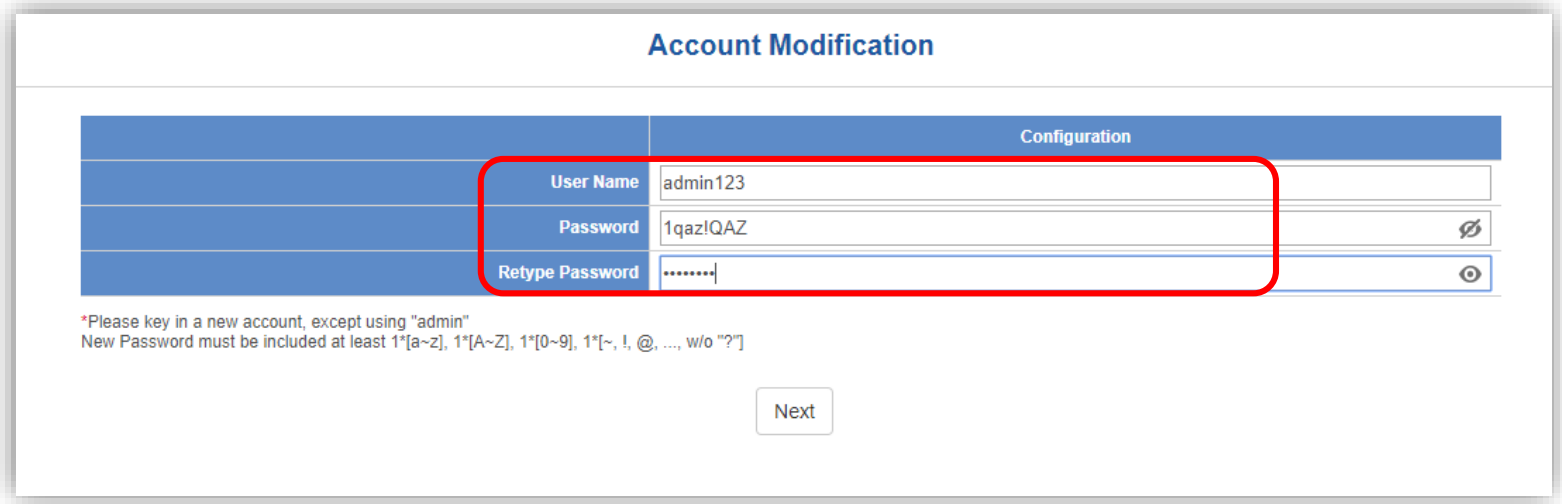


Setup Wizard

Account Modification

Steps to modifying account:

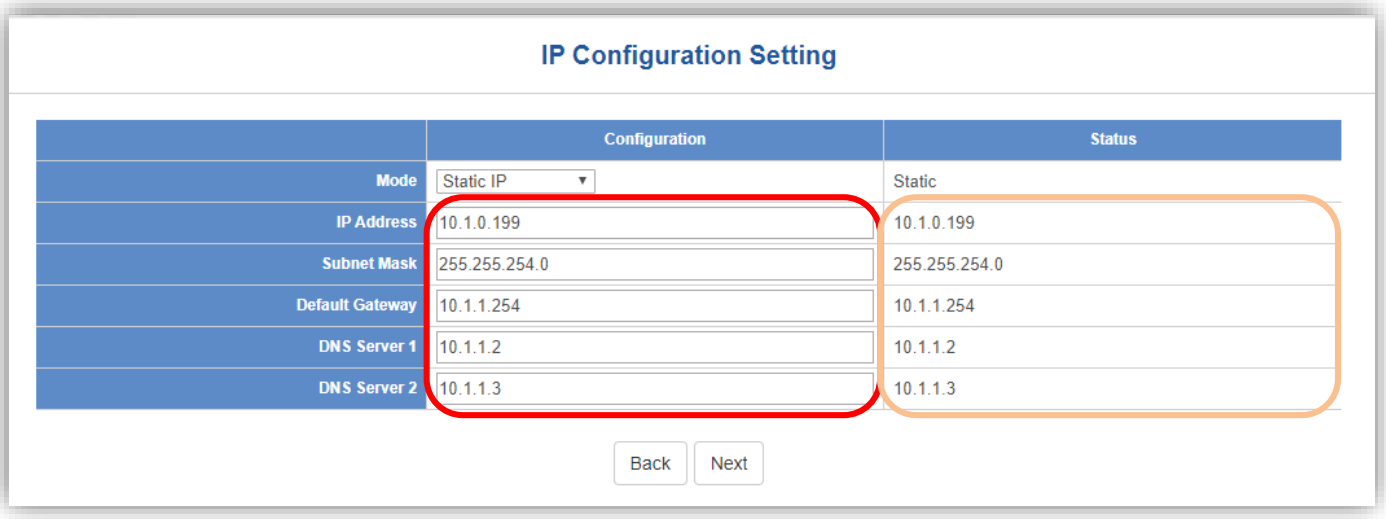
- 1. Please create a new account, avoiding the use of "admin“.
- 2. New Password must include at least 1*[a~z], 1*[A~Z], 1*[0~9], 1*[~, !, @, ..., w/o "?"] and must contain at least 8 characters.



IP Configuration Setting

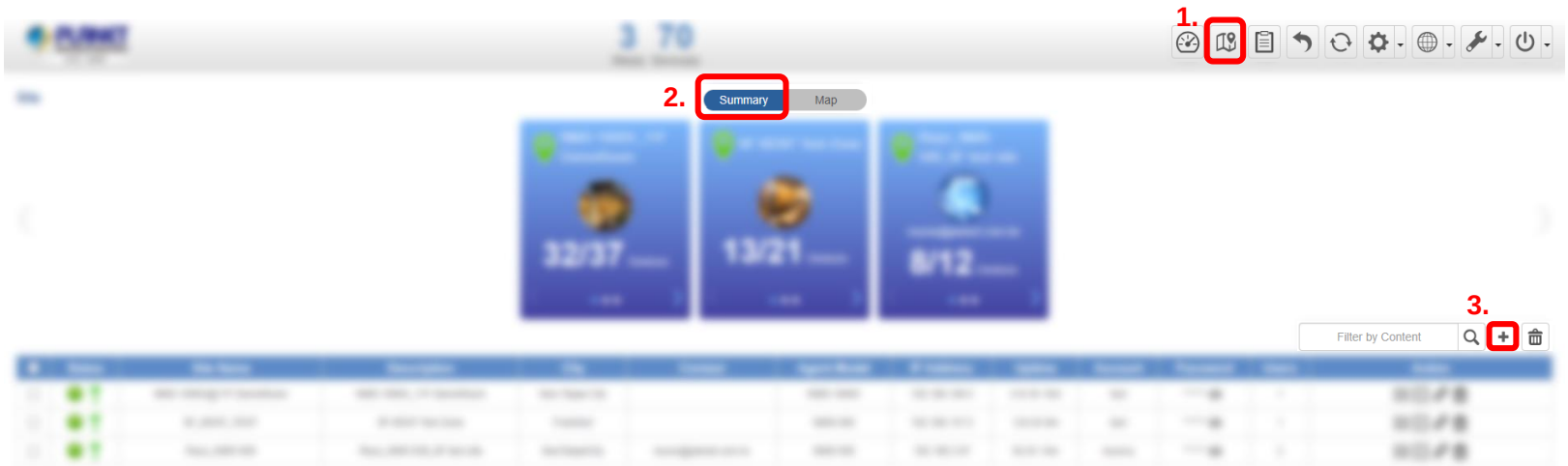
- 1. Select “Static IP” or ” DHCP Client” for IP configuration setting.
- 2. IP status is shown in real time.

*If you want to use the SMTP Alarm function, you must at least enter one DNS server.



How to Add a New Site

How to add a New Site



Steps to add a new site:

- 1. Press the “1. Site” button to go to the site, and then, navigate to “2. Summary or Map” page. (The default page is Summary.)
- 2. Press the “3. +” button to open the **“Add New Site”** page.

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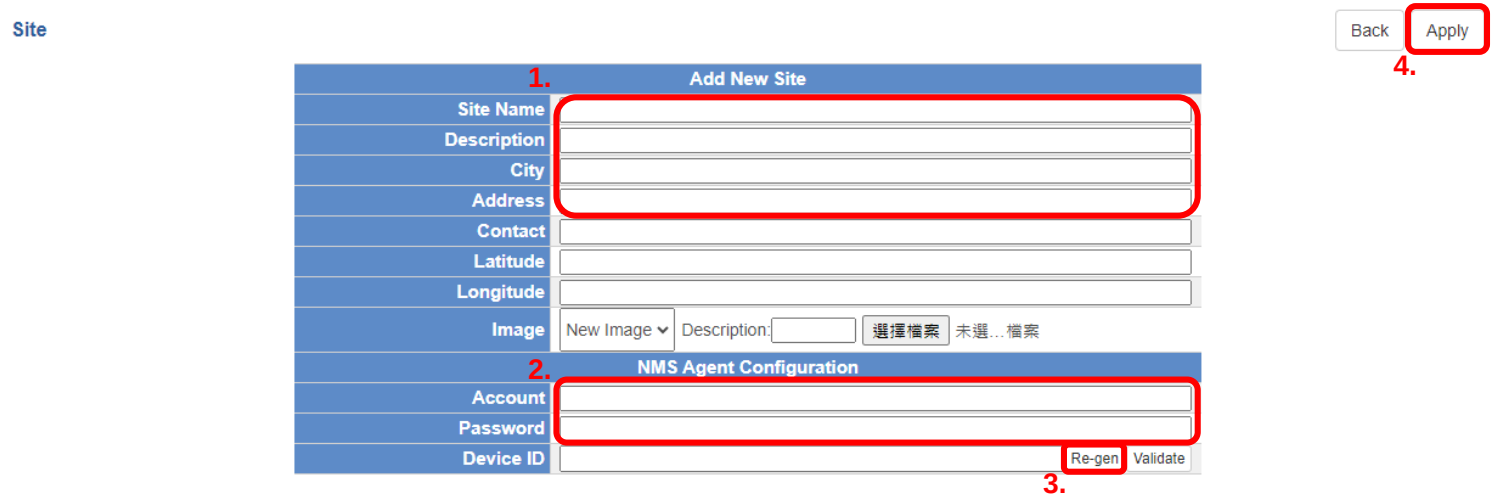

Steps to add a new site: **(Fields marked in red are required)**

- 3. Enter the Site information for "**1.** Site Name, Description, City, Address, Latitude, Longitude and Image".
- 4. Enter the NMS Agent Configuration for **"2. Account** and **Password"** and then press the **"3. Re-gen"** button to create a **Device ID.** After filling in the required fields, press the **4. Apply** button.

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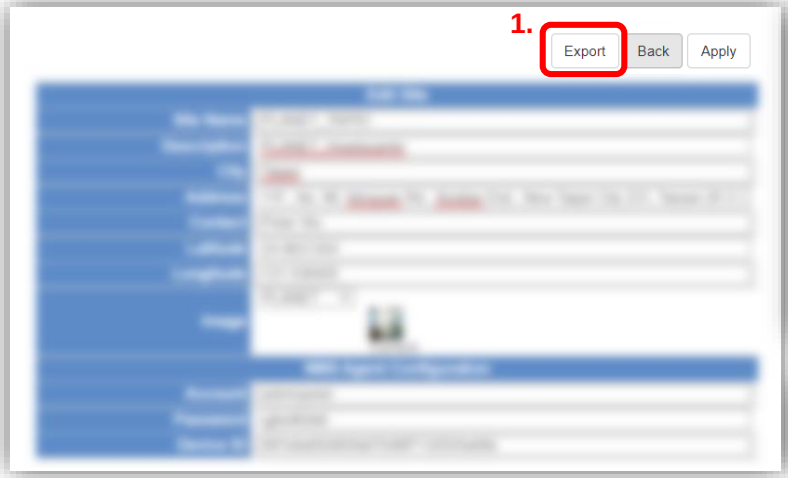

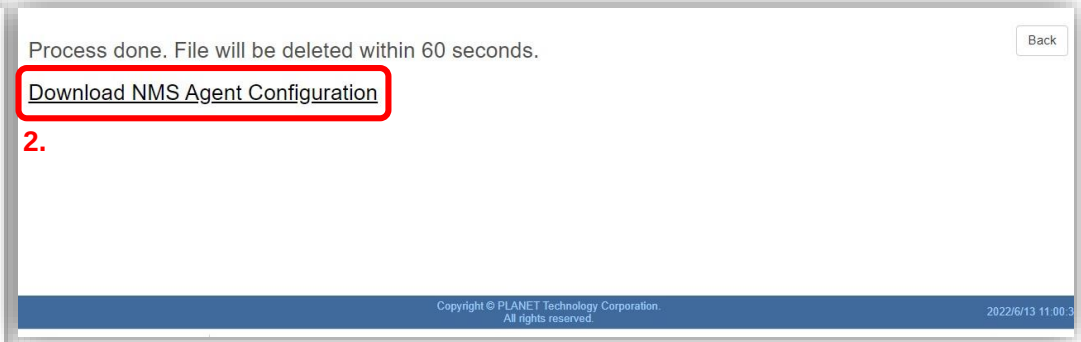

Steps to add a new site:

- 5. Press the **“1. Export”** button to create an “NMS-Agent-Conf” file.
- 6. Click the **“2. Download NMS Agent Configuration”** link to get the **“3. file”**.

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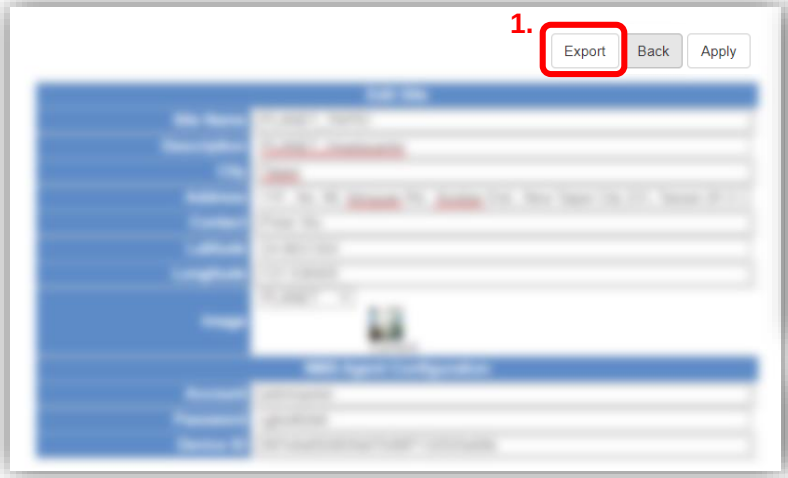

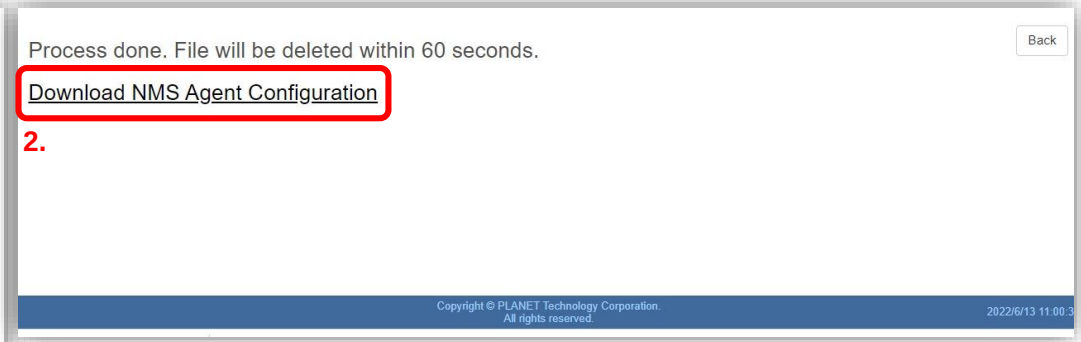

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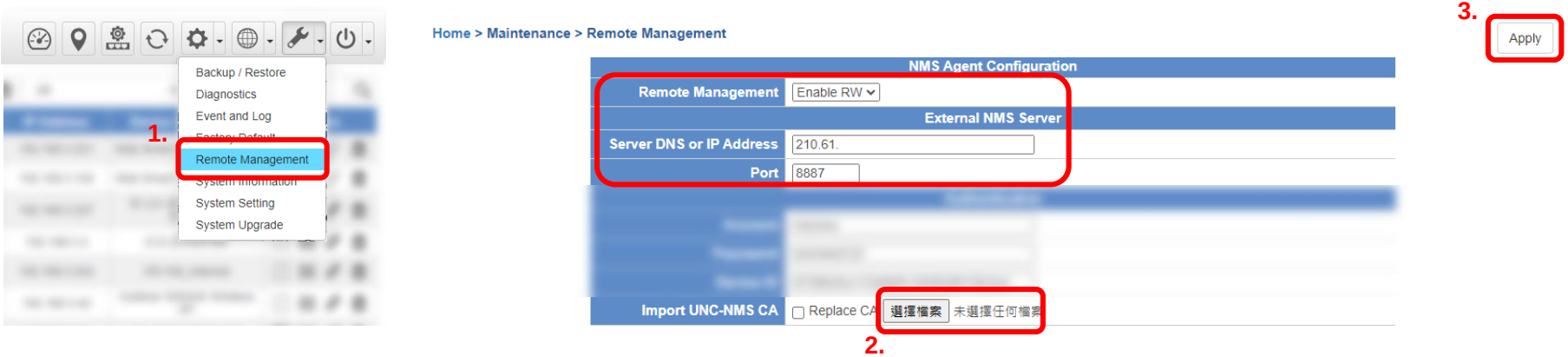
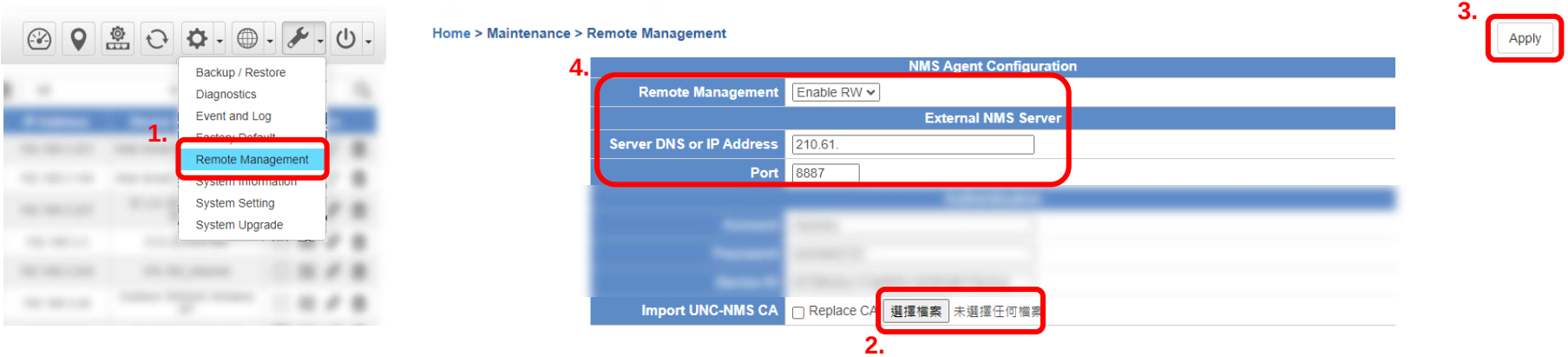


Steps to add a new site:

- 7. Going to the NMS-500/NMS-1000V web in **1. Remote Management** page.
- 8. **2.** Upload the **"NMS Agent Configuration file"** in the Step 6. and press "**3. Apply**". **(It will auto-Import authentication info.)**
- 9. Select the "**4. Enable RO or Enable RW"** for remote management function and enter the **Server DNS or IP Address, Port (default is 8887)** fields. After above step, press **"3. Apply"** again.

How to add a New Site



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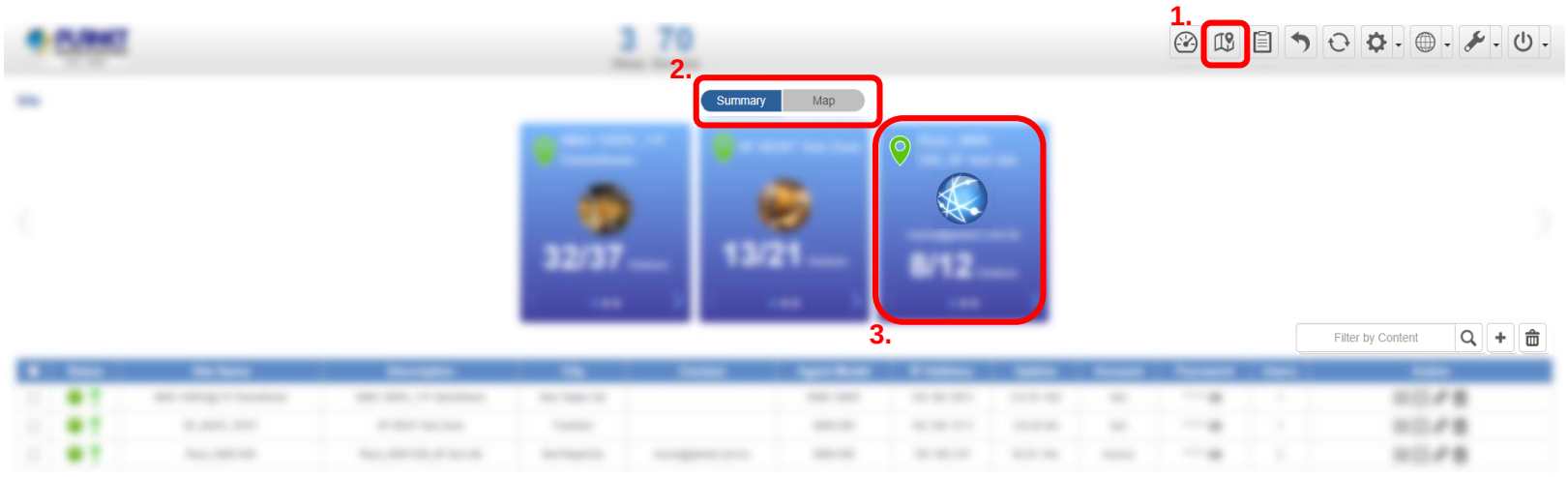


Steps to add a new site:

- 10. Go back to the UNC-NMS web "**Site/Summary**" page to check the site status is **on-line** or **off-line**

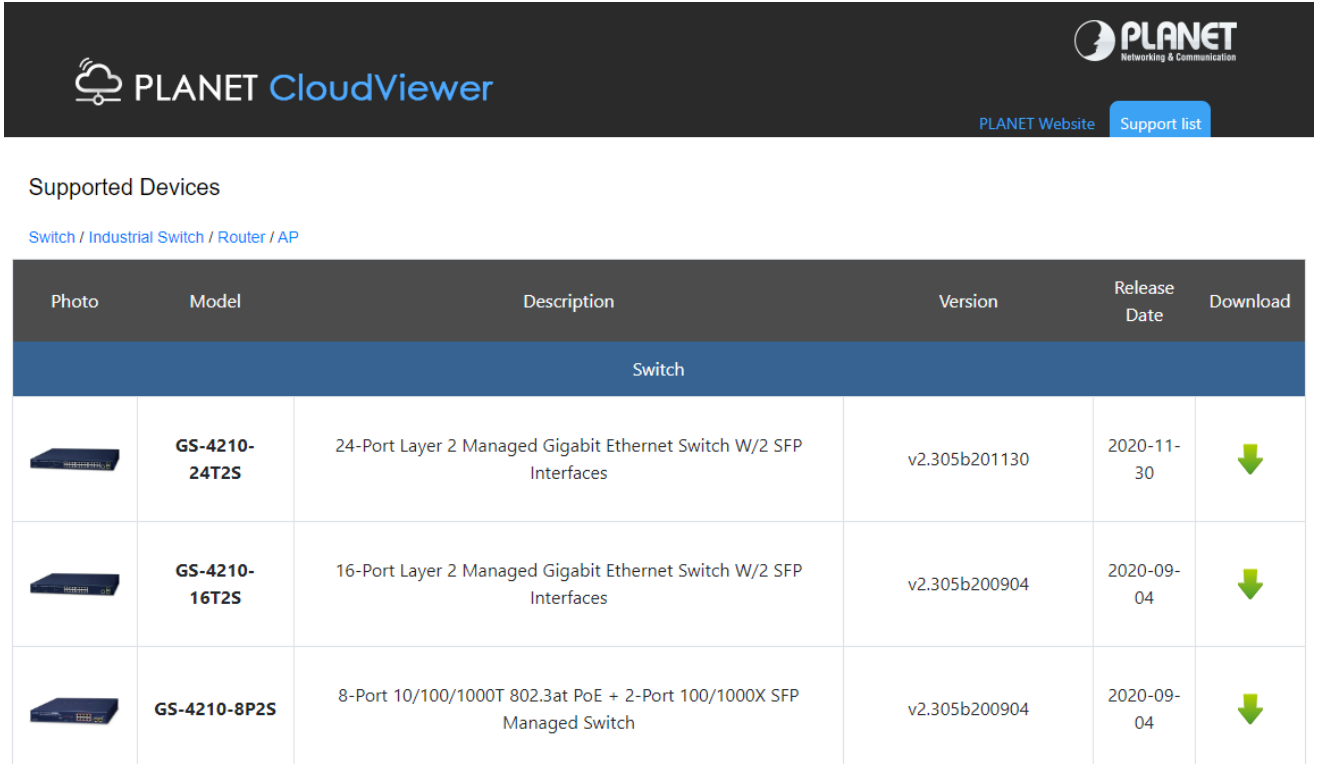
※ In case of issues, please utilize **Maintenance/Diagnostics** to conduct a ping test between UNC-NMS and NMS-500/NMS-1000V.

Ensure successful package transmission between the systems

Appendix

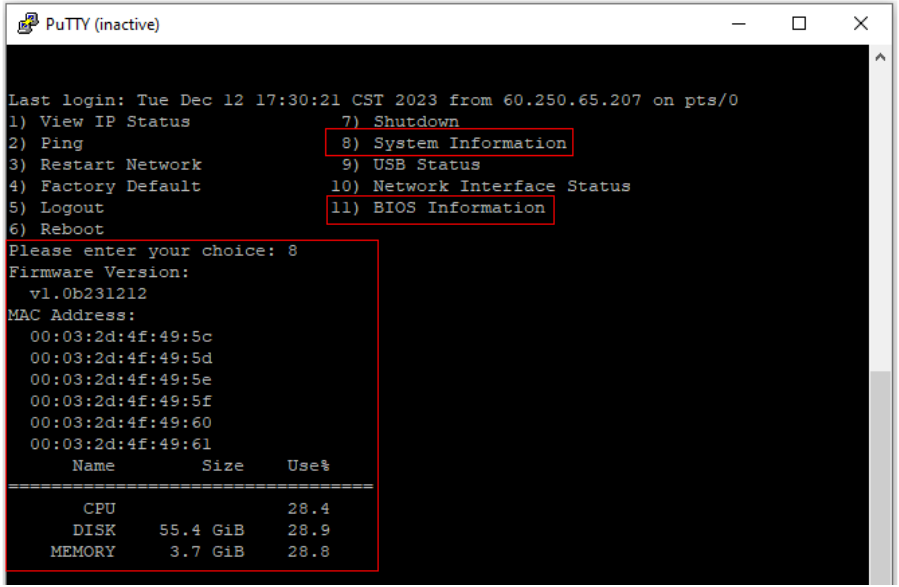
Appendix – MQTT Devices Support List

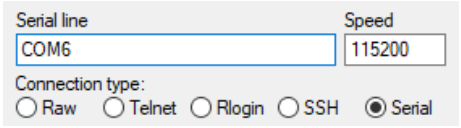
Please click

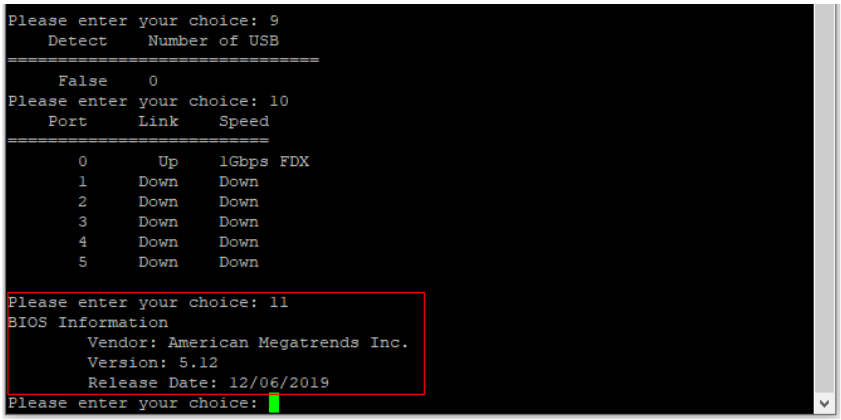


Appendix – Console

- When the “UNC-NMS login” appears, please enter user login account “adminuser”, and password “adminuser”.







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THANK YOU