

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

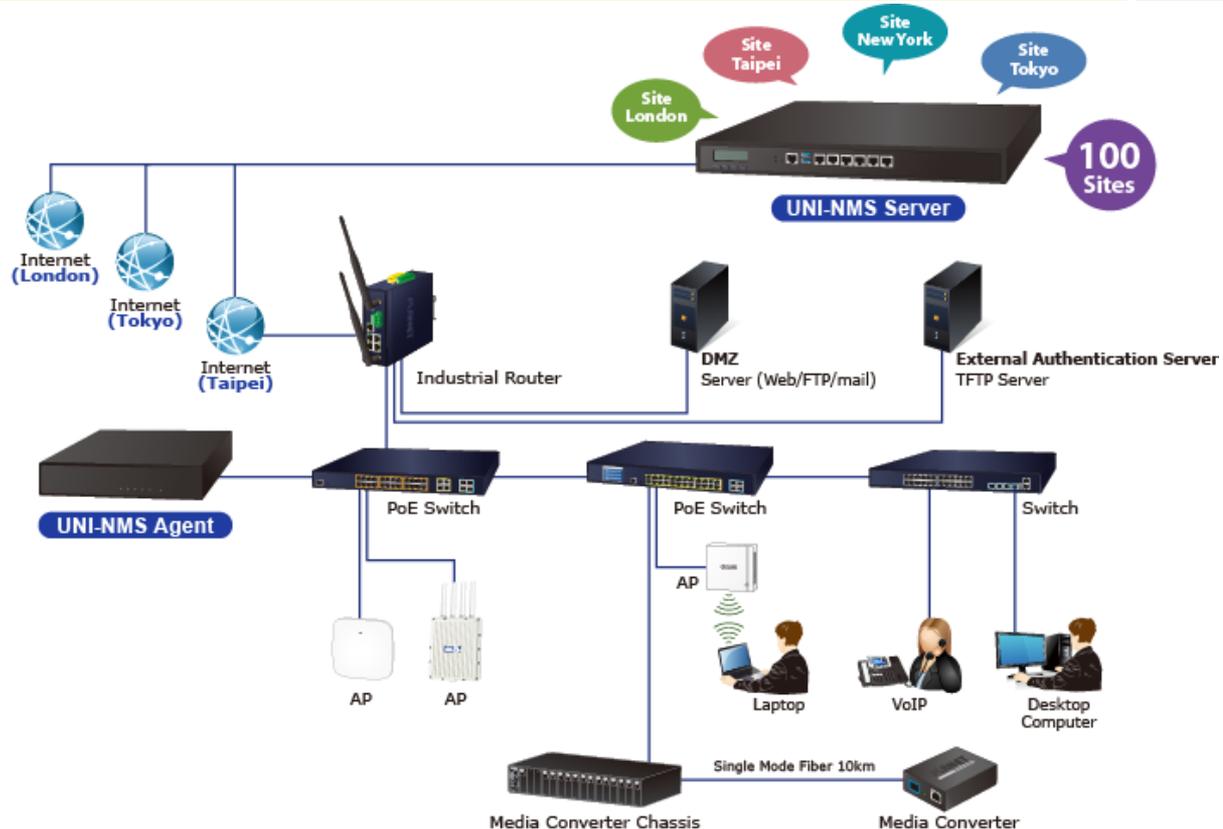
- Built-in DHCP Server
- Built-in RADIUS Server
- SSL secure access
- Certification Authentication
- Web-based GUI management interface
- SNMP v1, v2c, and v3 management
- Supports PLANET DDNS/Easy DDNS

➤ 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

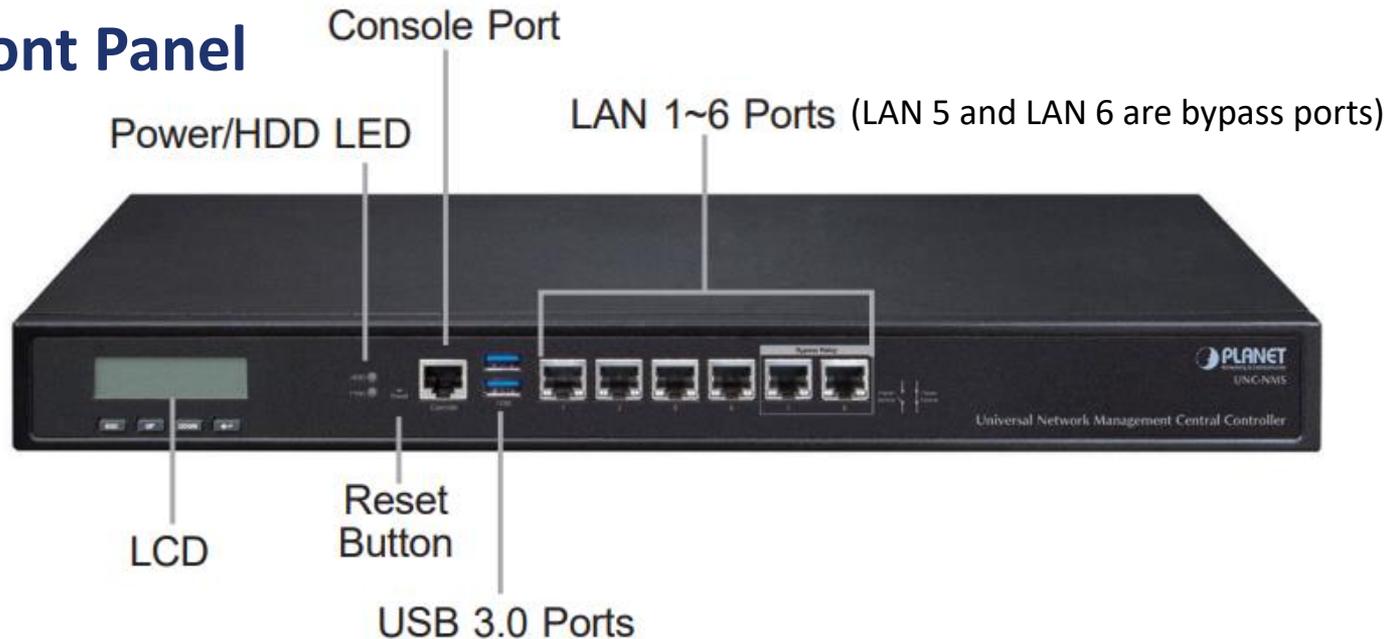
Applications



Before First Login

Product Overview

◆ Front Panel



Product Overview

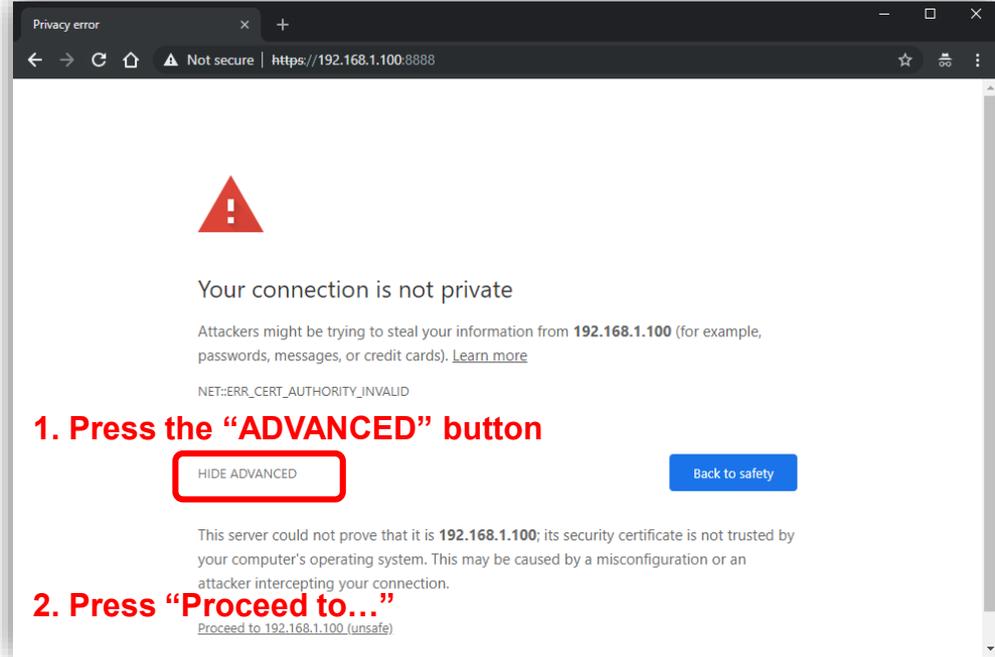
◆ Back Panel



AC IN (100~240V)

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.

Account Modification

	Configuration
User Name	<input type="text" value="admin123"/>
Password	<input type="password" value="1qaz!QAZ"/>
Retype Password	<input type="password" value="....."/>

*Please key in a new account, except using "admin"
New Password must be included at least 1*[a~z], 1*[A~Z], 1*[0~9], 1*[~, !, @, ..., w/o "?"]

Next

IP Configuration Setting

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

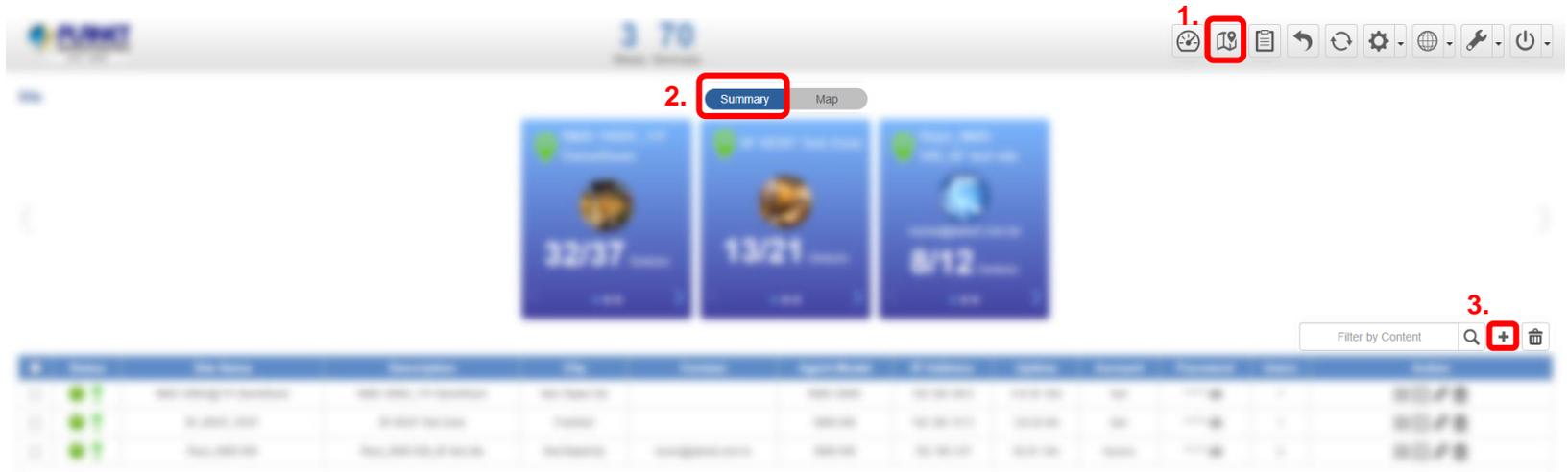
*If you want to use the SMTP Alarm function, you must at least enter one DNS server.

IP Configuration Setting

	Configuration	Status
Mode	Static IP ▾	Static
IP Address	10.1.0.199	10.1.0.199
Subnet Mask	255.255.254.0	255.255.254.0
Default Gateway	10.1.1.254	10.1.1.254
DNS Server 1	10.1.1.2	10.1.1.2
DNS Server 2	10.1.1.3	10.1.1.3

How to Add a New Site

How to add a New Site

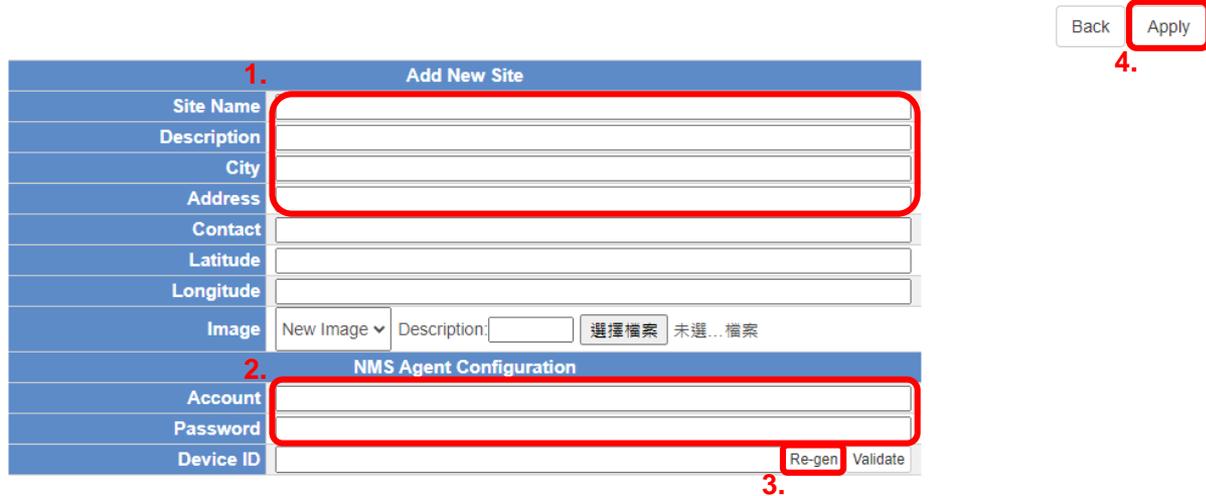


Steps to add a new site:

- ◆ 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.

How to add a New Site

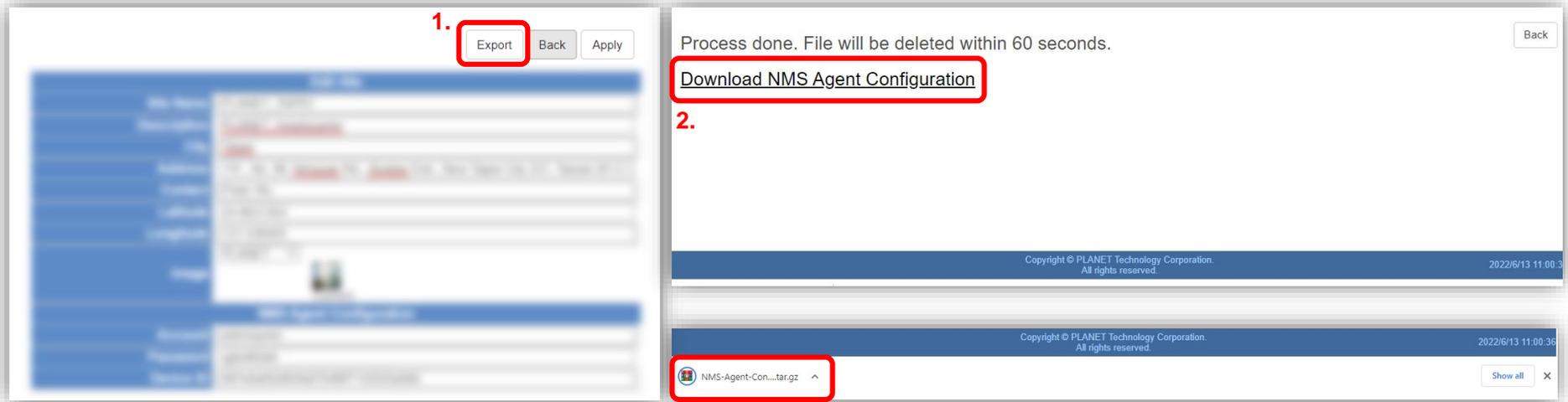
Site



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.

How to add a New Site

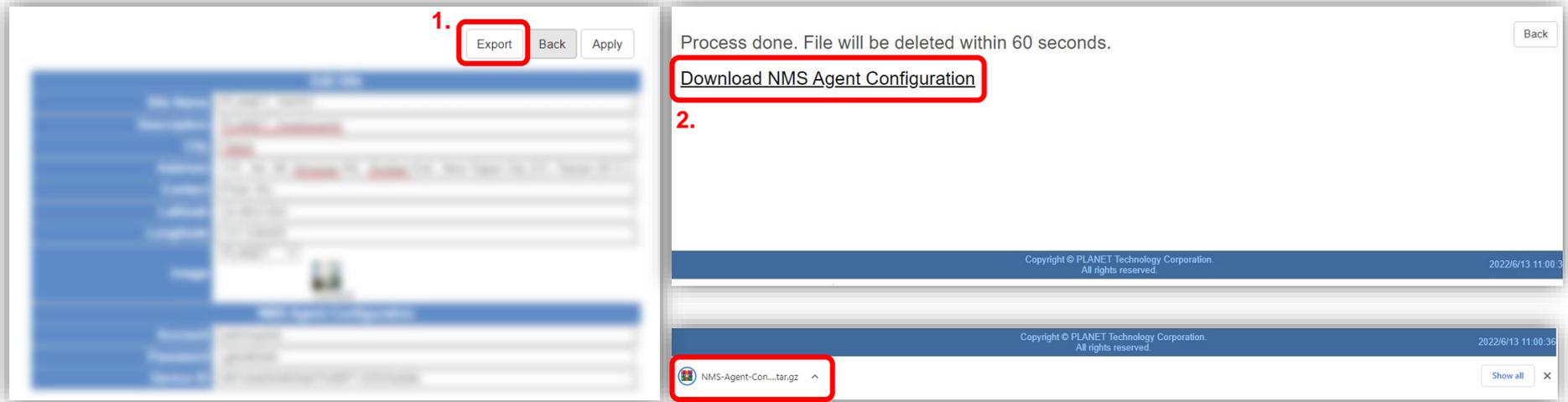


The screenshot is divided into two panels. The left panel shows a web interface with a sidebar on the left and a main content area. A red box labeled '1.' highlights the 'Export' button. The right panel shows a confirmation message: 'Process done. File will be deleted within 60 seconds.' Below this, a red box labeled '2.' highlights the link 'Download NMS Agent Configuration'. At the bottom of the right panel, a file download bar is visible with a red box labeled '3.' highlighting the file name 'NMS-Agent-Con...tar.gz'.

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”**.

How to add a New Site

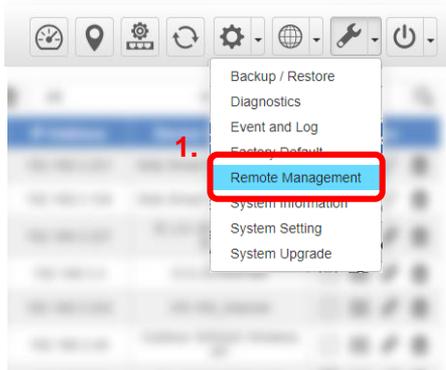


The screenshot is divided into two panels. The left panel shows a blurred interface with a red box around the 'Export' button, labeled '1.'. The right panel shows a confirmation message: 'Process done. File will be deleted within 60 seconds.' Below this, a red box highlights the link 'Download NMS Agent Configuration', labeled '2.'. At the bottom of the right panel, a file download bar shows a file named 'NMS-Agent-Con...tar.gz' with a red box around it, labeled '3.'. The footer of the interface includes 'Copyright © PLANET Technology Corporation. All rights reserved.' and a timestamp '2022/6/13 11:00:36'.

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”**.

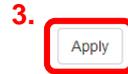
How to add a New Site



Home > Maintenance > Remote Management



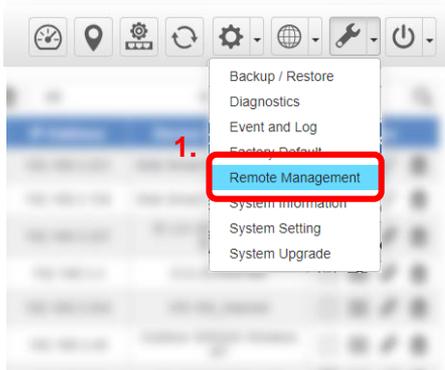
2.



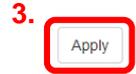
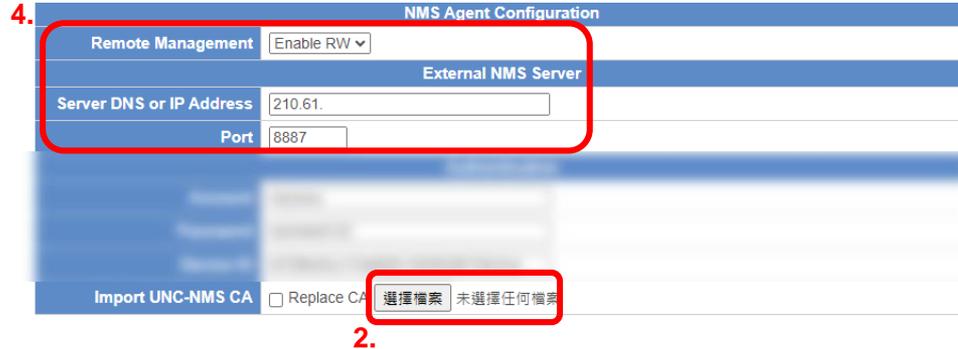
Steps to add a new site:

- ◆ 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



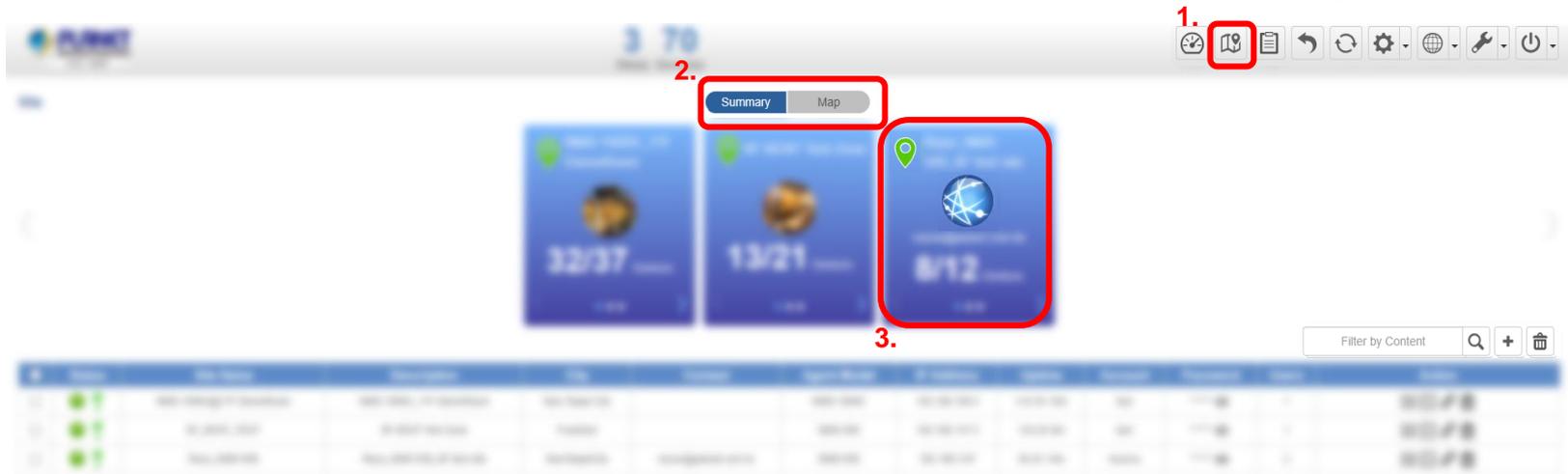
Home > Maintenance > Remote Management



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



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](#)



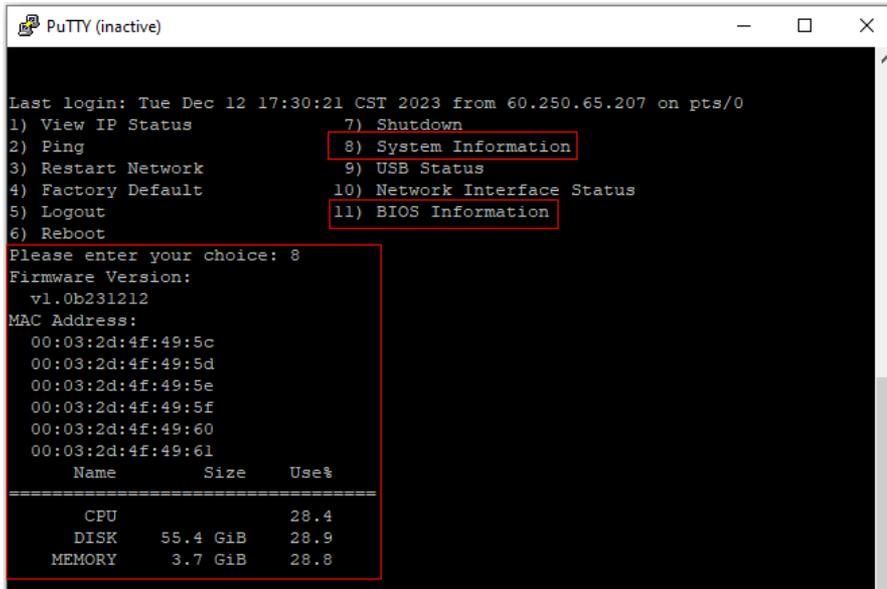
Supported Devices

[Switch](#) / [Industrial Switch](#) / [Router](#) / [AP](#)

Photo	Model	Description	Version	Release Date	Download
Switch					
	GS-4210-24T2S	24-Port Layer 2 Managed Gigabit Ethernet Switch W/2 SFP Interfaces	v2.305b201130	2020-11-30	
	GS-4210-16T2S	16-Port Layer 2 Managed Gigabit Ethernet Switch W/2 SFP Interfaces	v2.305b200904	2020-09-04	
	GS-4210-8P2S	8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch	v2.305b200904	2020-09-04	

Appendix – Console

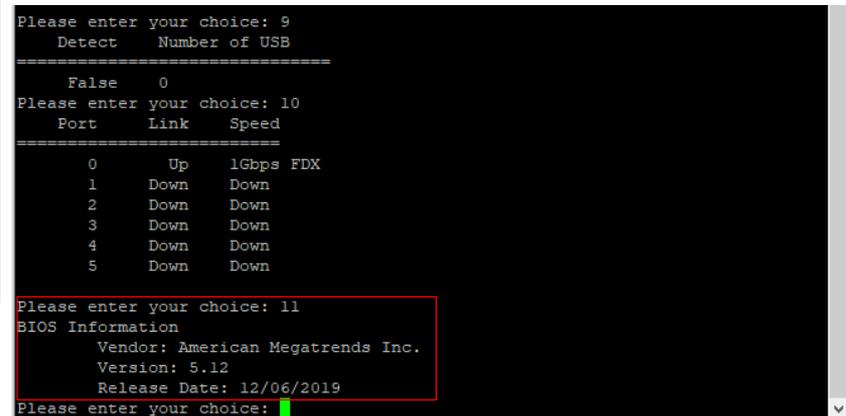
- When the “UNC-NMS login” appears, please enter user login account “adminuser”, and password “adminuser”.



```
PuTTY (inactive)
Last login: Tue Dec 12 17:30:21 CST 2023 from 60.250.65.207 on pts/0
1) View IP Status          7) Shutdown
2) Ping                   8) System Information
3) Restart Network        9) USB Status
4) Factory Default       10) Network Interface Status
5) Logout                 11) BIOS Information
6) Reboot

Please enter your choice: 8
Firmware Version:
v1.0b231212
MAC Address:
00:03:2d:4f:49:5c
00:03:2d:4f:49:5d
00:03:2d:4f:49:5e
00:03:2d:4f:49:5f
00:03:2d:4f:49:60
00:03:2d:4f:49:61
=====
Name      Size  Use%
=====
CPU              28.4
DISK    55.4 GiB  28.9
MEMORY   3.7 GiB  28.8
```

Serial line	Speed
COM6	115200
Connection type:	
<input type="radio"/> Raw <input type="radio"/> Telnet <input type="radio"/> Rlogin <input type="radio"/> SSH <input checked="" type="radio"/> Serial	



```
Please enter your choice: 9
Detect  Number of USB
=====
False  0
Please enter your choice: 10
Port   Link  Speed
=====
0      Up    1Gbps FDX
1      Down  Down
2      Down  Down
3      Down  Down
4      Down  Down
5      Down  Down

Please enter your choice: 11
BIOS Information
Vendor: American Megatrends Inc.
Version: 5.12
Release Date: 12/06/2019
Please enter your choice: █
```

www.planet.com.tw



THANK YOU