

# Quick User Guide

## UNC-NMS



# OVERVIEW

# Overview

## ➤ Main Features:

Dashboard	Providing the at-a-glance view of center system, site summary, site Map, traffic, PoE network status
Site Management	To create site list, site map for NMS agent management
Device List	To management all site devices or filter one site devices list for NMS agent function operation
Statistic	To show Top 10 Event Report, History Comparison function, Critical Events for devices
Topology Viewer	A topology of network devices compliant with MQTT, SNMP, ONVIF, Smart Discovery and LLTD Protocol with Map or not
Event Reports	The status of a network can be reported via network alarm, system log
Alarm System	Email alerts for the administrator via the SMTP server
Switch Virtual Panel	To directly configure the switch for basic function
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	Free system upgrade and AP firmware bulk upgrade capability
Maximum Scalability	100 sites, 100 site maps, 102,400 nodes

# Overview

## ➤ Network Management Characteristics

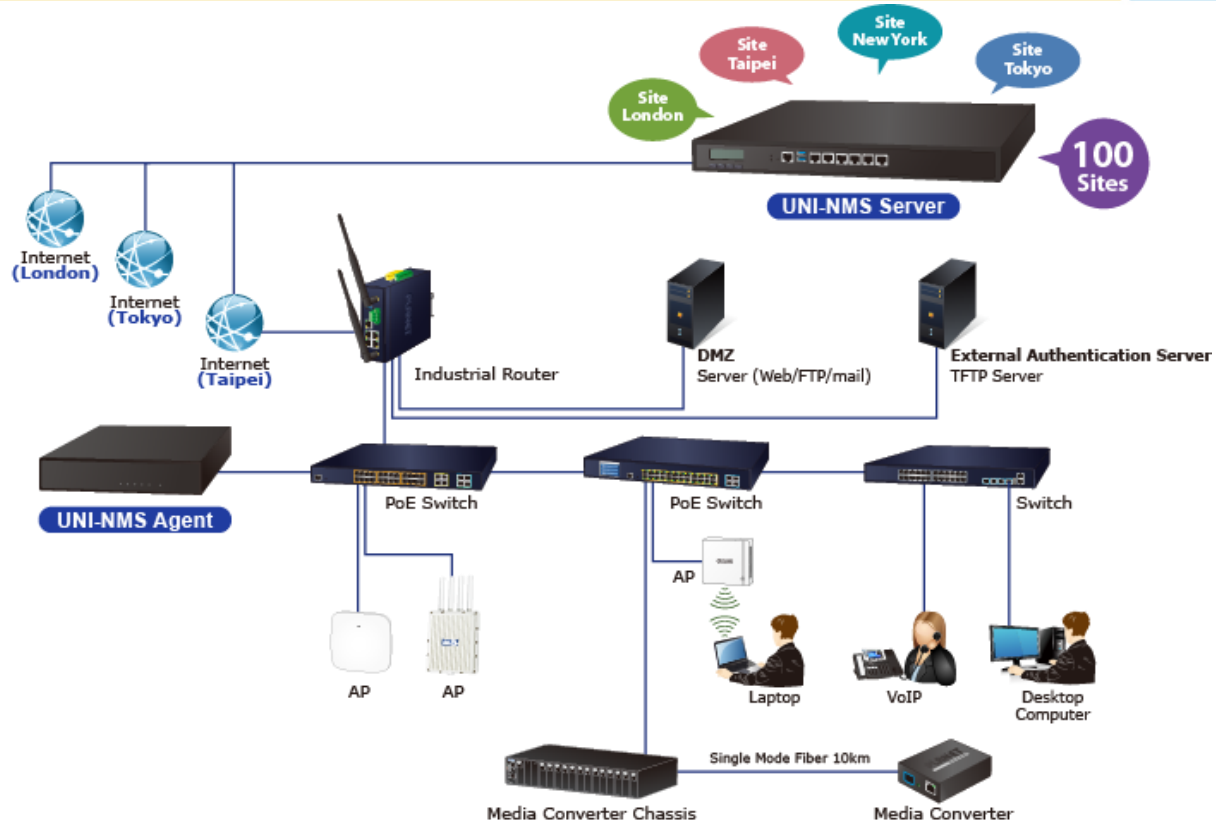
- Built-in DHCP Server
- Built-in RADIUS Server
- SSL secure access
- Certification Authentication
- Web-based GUI management interface
- SNMP v1, v2c, and v3 management
- Supports PLANET DDNS/Easy DDNS

## ➤ 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 interface
- 1 x Reset button
- 1 x 3-pin AC Power input socket for 100~240V
- 1U Rack-mount

# APPLICATIONS

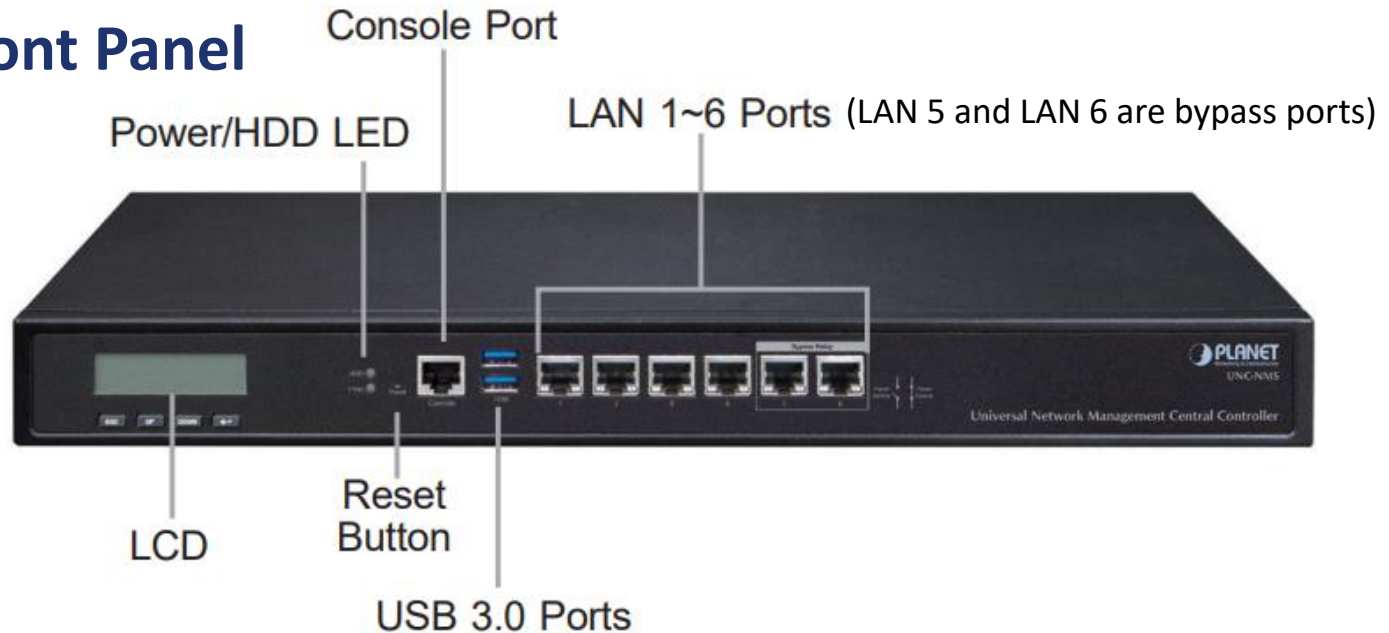
# Applications



# BEFORE FIRST LOGIN

# Product Overview

## ◆ Front Panel



# Product Overview

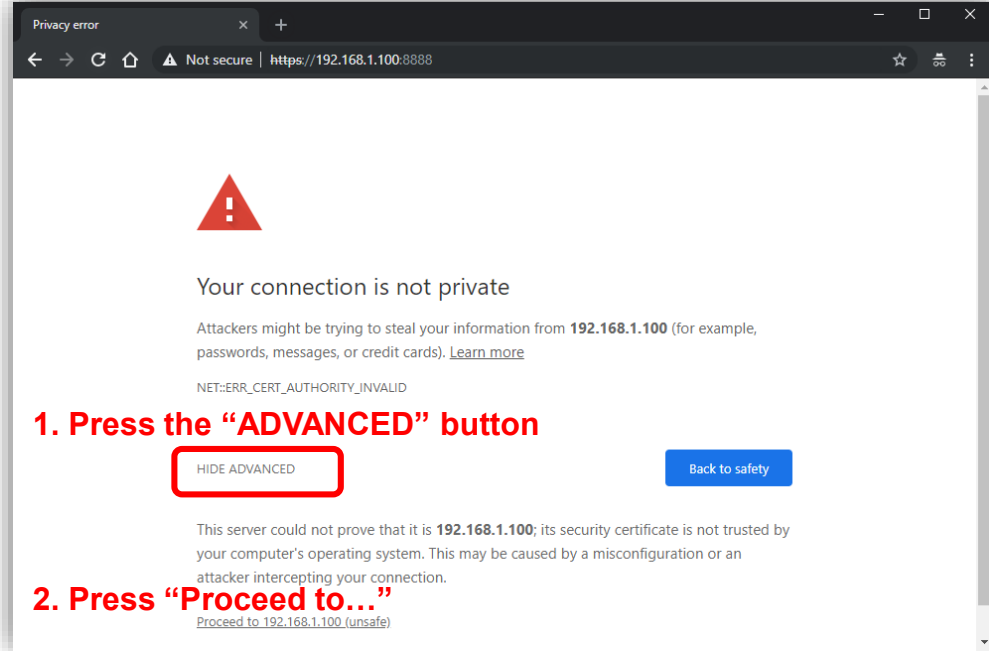
## ◆ Back Panel



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 key in a new account, except using "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.

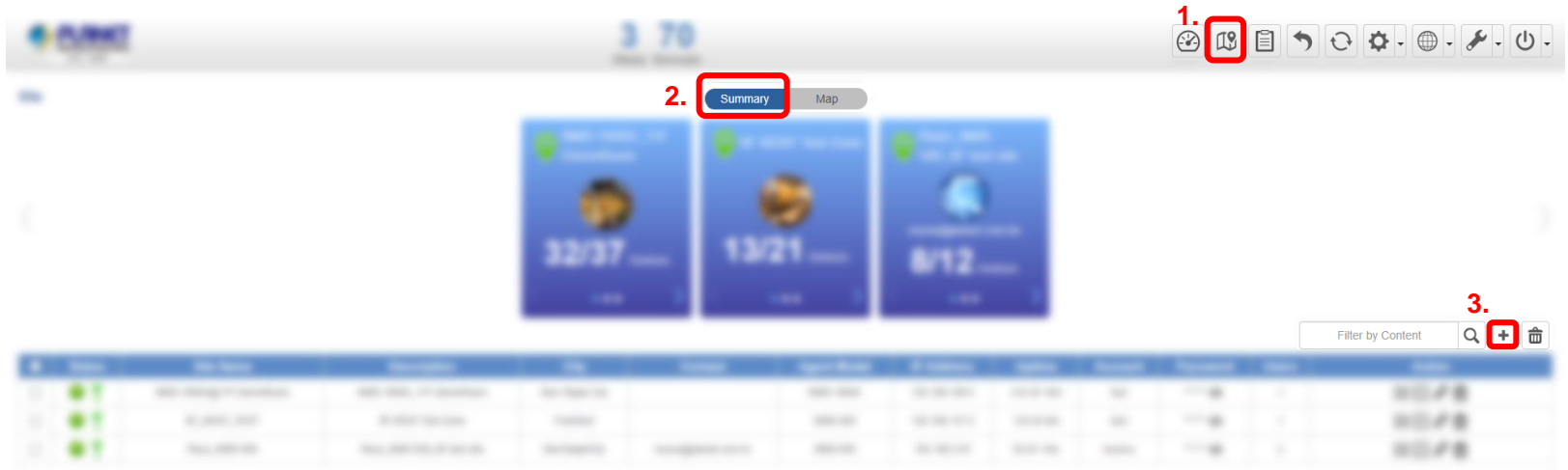
\*If you want to use the SMTP Alarm function, you must at least enter one DNS server.

### 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. Please press “1. Site” button then go into site “2. Summary”/Map page. (Default is Summary page)
- ◆ 2. Press “3. +” button to open the “Add New Site” page.

# How to add a New Site?

Site

Back **Apply**

**1. Add New Site**

Site Name	<input type="text"/>
Description	<input type="text"/>
City	<input type="text"/>
Address	<input type="text"/>
Contact	<input type="text"/>
Latitude	<input type="text"/>
Longitude	<input type="text"/>
Image	New Image <input type="button" value="Description:"/> <input type="button" value="選擇檔案"/> 未選... 檔案

**2. NMS Agent Configuration**

Account	<input type="text"/>
Password	<input type="text"/>
Device ID	<input type="text"/> <input type="button" value="Re-gen"/> <input type="button" value="Validate"/>

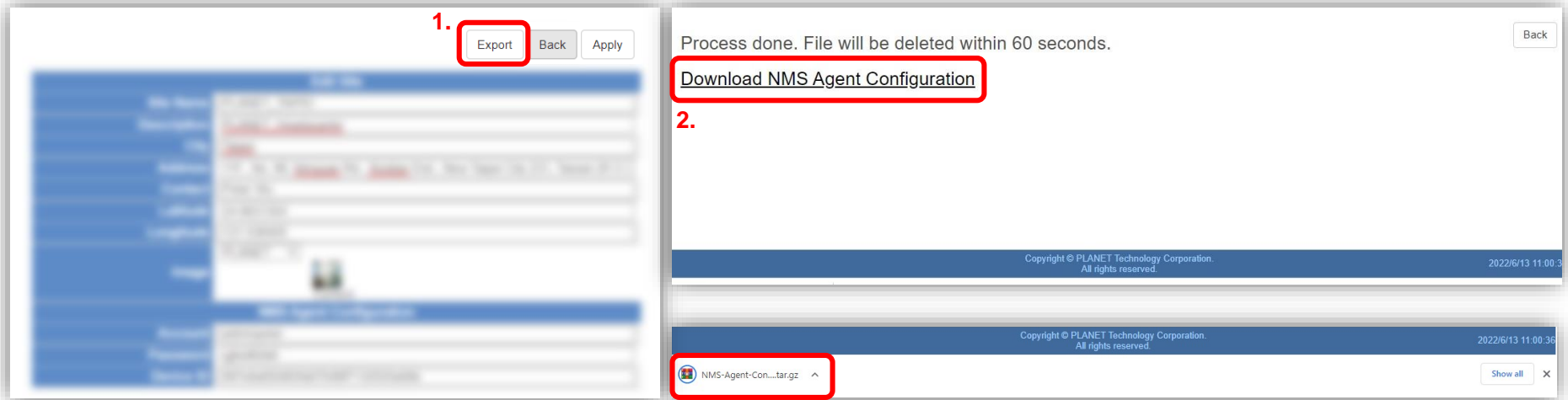
**3.**

**4.**

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

- ◆ 3. Enter the Site info. for **“1. Site Name/Description/City”** /Address/Latitude/Longitude/Image.
- ◆ 4. Enter the NMS Agent Configuration for . **“2. Account/Password”** then press **“3. Re-gen”** button to create an **Device ID**. After enter the required fields, press **4. Apply** button.

# How to add a New Site?

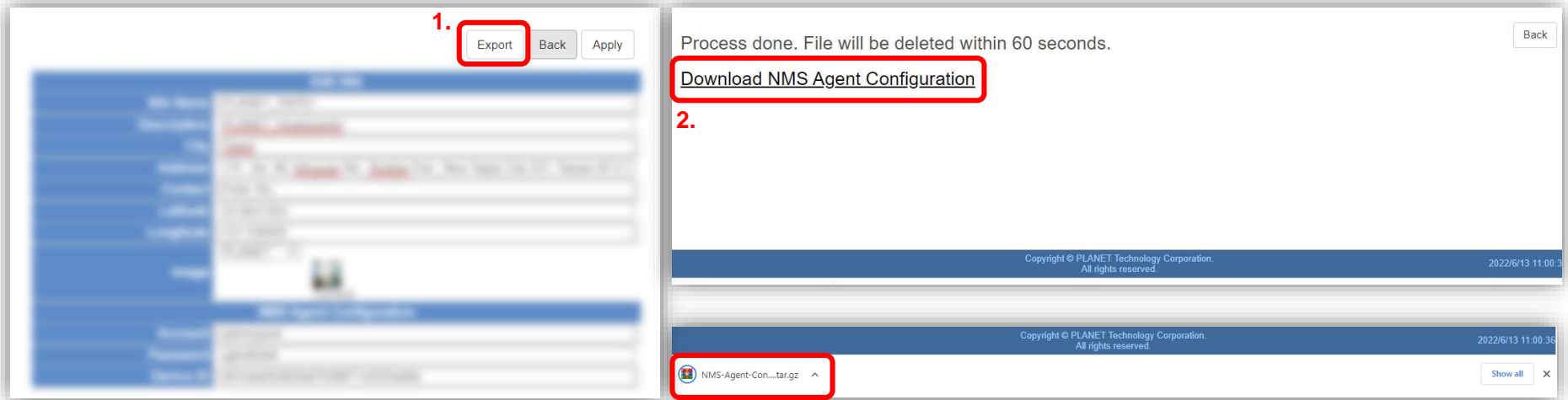


The screenshot is divided into two panels. The left panel shows a configuration page with an 'Export' button highlighted by a red box and labeled '1.'. The right panel shows a confirmation message: 'Process done. File will be deleted within 60 seconds.' Below this, a link 'Download NMS Agent Configuration' is highlighted by a red box and labeled '2.'. At the bottom of the right panel, a file download bar shows a file named 'NMS-Agent-Con...tar.gz' with a download icon, highlighted by a red box and labeled '3.'. The footer of the right panel contains copyright information: '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”**.

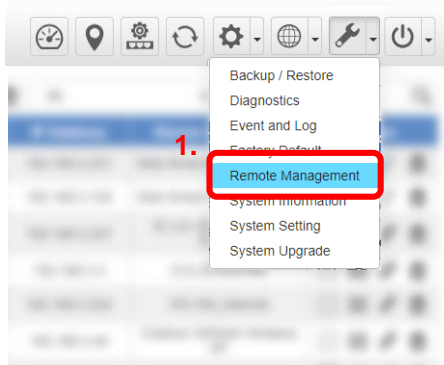
# How to add a New Site?



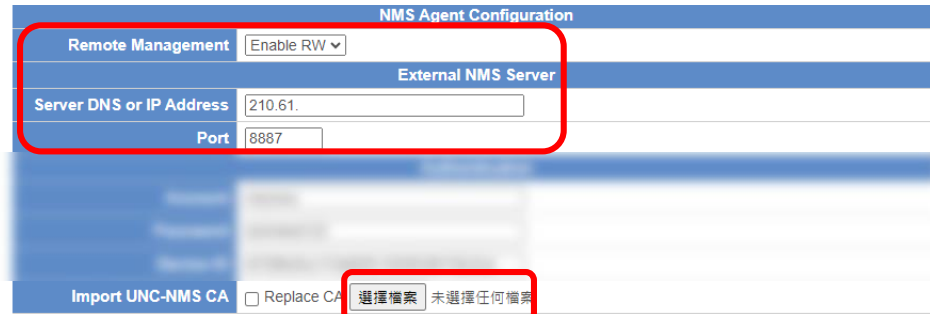
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# How to add a New Site?



Home > Maintenance > Remote Management

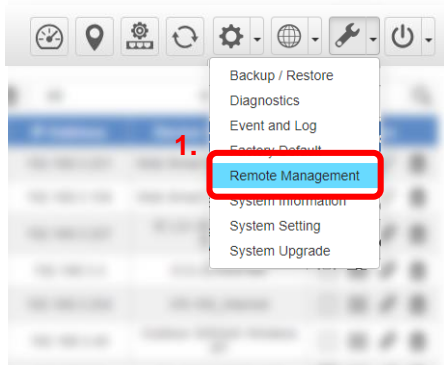


2.

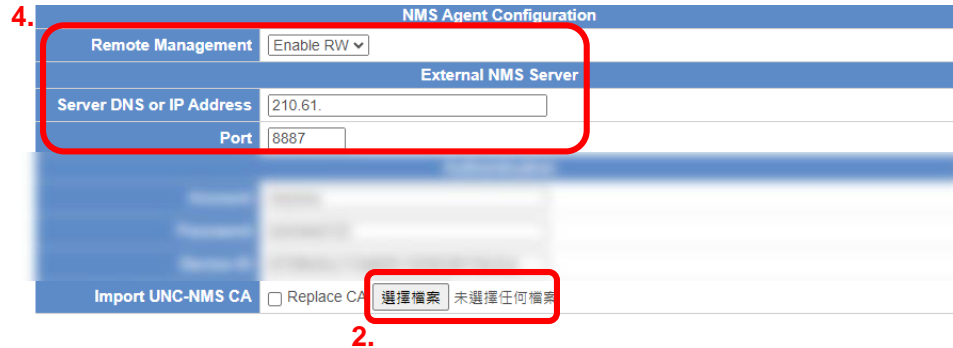
Steps to add a new site:

- ◆ 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?



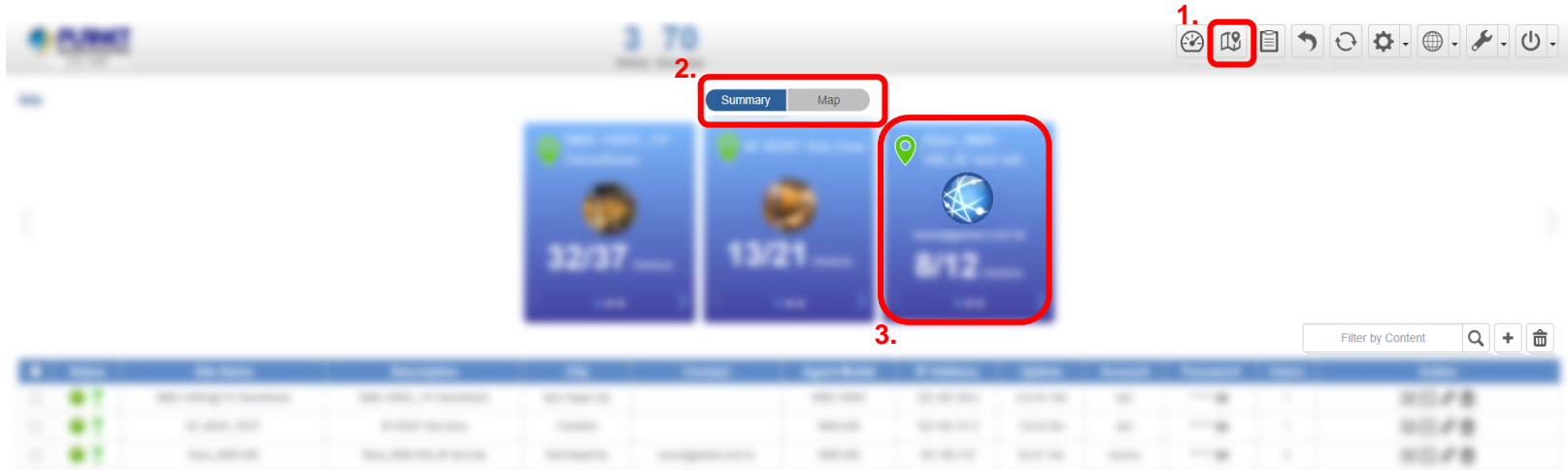
Home > Maintenance > Remote Management



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](#)



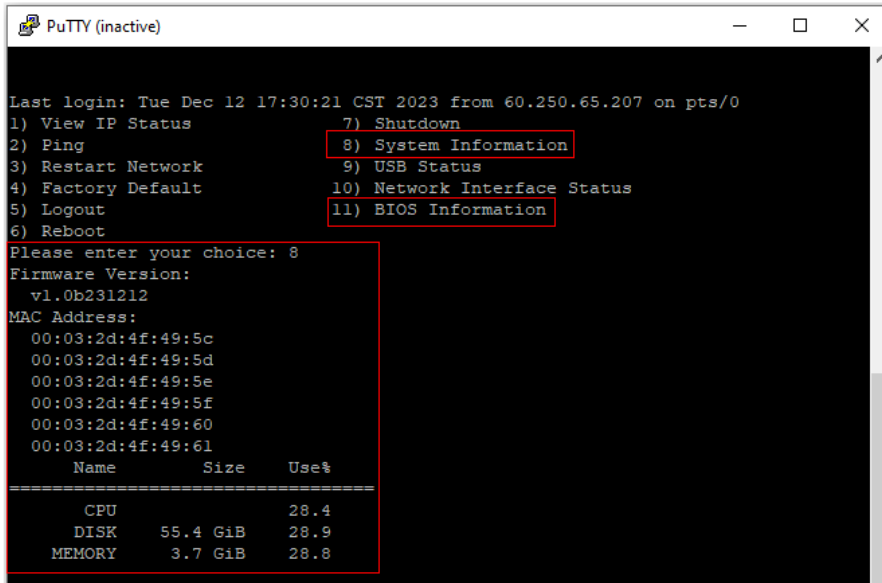
## Supported Devices

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

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

# Appendix – Console

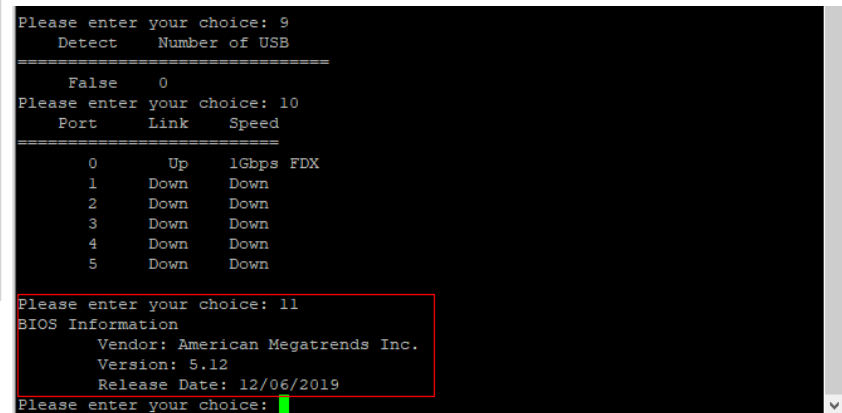
- When the “UNC-NMS login” appears, please enter user login account “adminuser”, and password “adminuser”.



```
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: █
```

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THANK YOU