Universal Network Management Central Controller with LCD

UNC-NMS

Quick Installation Guide

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1. Package Contents

Thank you for purchasing PLANET Universal Network Management Central Controller. PLANET UNC-NMS is described below:

UNC-NMS	Universal Network Management Central Controller with LCD

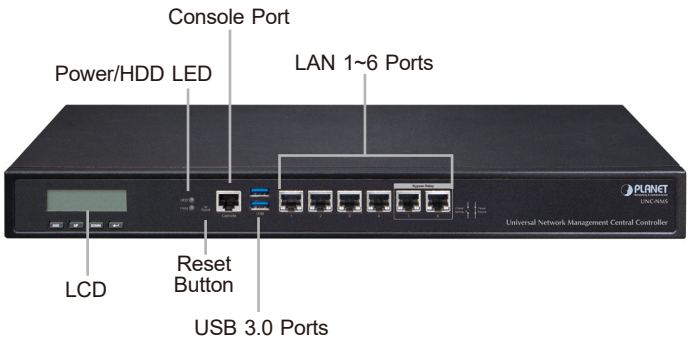
Open the box of the UNC-NMS and carefully unpack it. The box should contain the following items:

- UNC-NMS Controller x 1
- Quick Installation Guide x 1
- Power Cord x 1
- Console Cable x 1
- Installation Kit x 1

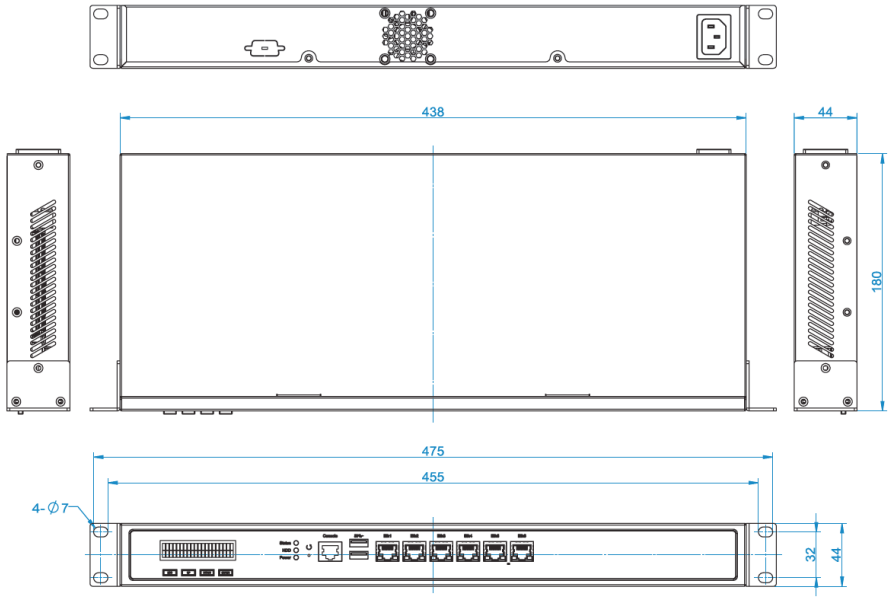
If any item is found missing or damaged, contact your local reseller for replacement.

2. Hardware Description

2.1 Overview



2.2 Dimensions



Unit: mm

2.3 Hardware Specifications

Product	UNC-NMS
	Universal Network Management Central Controller with LCD & 6 10/100/1000T LAN Ports
Form Factor	1U Rack-mount
Physical Specifications	
I/O Interface	6 10/100/1000BASE-T Gigabit Ethernet RJ45 ports (LAN 5 and LAN 6 are bypass ports.)
	2 USB 3.0 ports (They cannot be used at the same time.)
	1 Factory default button (GPIO)
	1 RJ45 Console port interface
	2 DB-9 COM1, COM2 (reserve)
Storage	2.5” 64G SATA HDD
LED	2 LED (Power/HDD)
LCM Size (Active Area)	49.45 mm (W) x 9.58 mm (H)
LCM Button	4 touch buttons for enter, exit, up and down
Dimensions (W x D x H)	438 (W) x 180 (D) x 44 mm (H) 17.24” (W) x 7.09” (D) x 1.73” (H)
Weight	3 kg (6.62 lbs)
Enclosure	Metal
Power Requirements	3 pin AC Power input socket AC 100~240V, 65W
Environment & Certification	
Temperature	Operating: 0 ~ 50 degrees C Storage: -20 ~ 70 degrees C
Humidity	5 ~ 90% relative humidity (non-condensing)
MTBF (Hours)	100,000

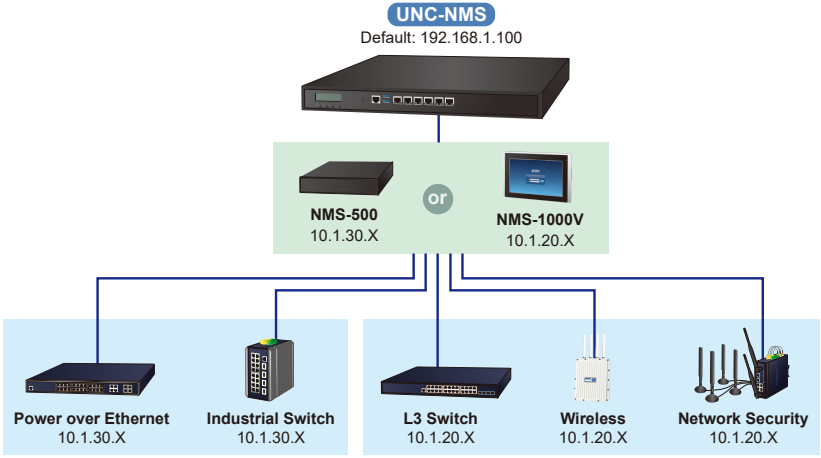
3. Product Features

Network Management	
Number of Managed Sites	100
Number of Managed Devices	102,400
Auto Discovery by NMS agent	Supports PLANET devices
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 manage 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 and Smart Discovery with map or no map
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
ONVIF IP Cam Snapshot	Directly catch the managed IP cam snapshot
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
Network Services		
Network	DDNS	Supports PLANET DDNS/Easy DDNS
	DHCP	Built-in DHCP Server for auto IP assignment to APs
	Management	Console; Telnet; SSL; Web browser (Chrome is recommended.); SNMP v1, v2c, v3
	Discovery	Supports SNMP, ONVIF and PLANET Smart Discovery
Maintenance	Backup	System backup and restore to local or USB HDD
	Reboot	Provides system reboot manually or automatically per power schedule
	Diagnostic	Provides IPv4/IPv6 ping and trace route
Standards Conformance		
Regulatory Compliance		CE, FCC
Standards Compliance		IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab Gigabit 1000BASE-T

4. Network Configuration

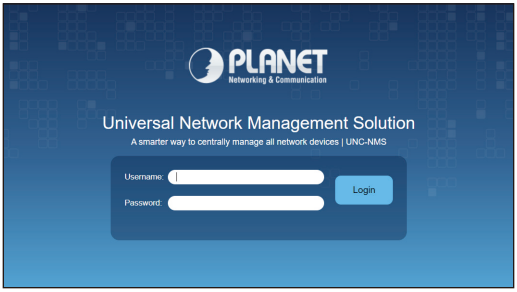
Set up the UNC-NMS Controller with Ethernet connection for the first-time configuration shown below.



Default IP Address: **192.168.1.100**
Default Management Port: **8888 (for remote login)**
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 in to the system.

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



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

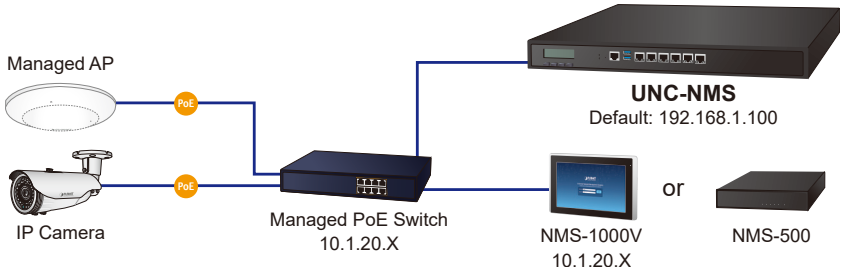
5. Deployed Devices Monitored via UNC-NMS Controller

The UNC-NMS can monitor all the deployed wired or wireless NMS-500/NMS-1000V agent level network devices, and it also can monitor the devices under the NMS agents, such as managed switches, media converters, routers, smart APs, VoIP phones, IP cameras, etc. compliant with the SNMP Protocol, ONVIF Protocol and PLANET Smart Discovery utility.

Please regularly check PLANET website for the latest compatibility list of managed devices.

Follow the steps below to set up the UNC-NMS server and NMS-500/NMS-1000V agent devices.

Step 1: Connect the devices, UNC-NMS Controller and your computer to the same network. The NMS agent devices can set up in the other sub-net network environment.

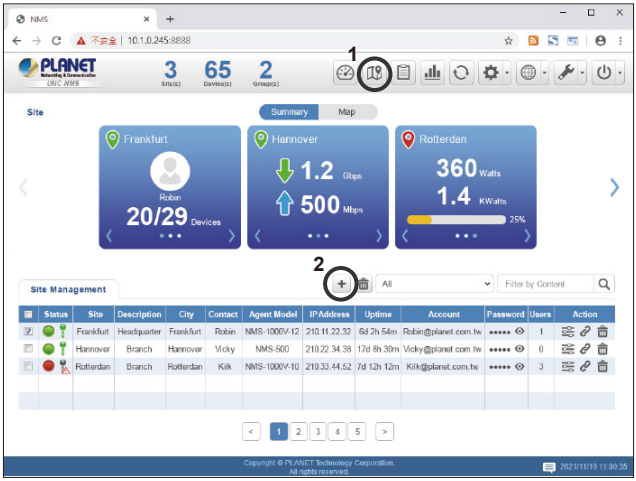


Step 2: In UNC-NMS system, add a new site with NMS agent devices, such as NMS-500 and NMS-1000V and then create a certificate file import in to the NMS agent devices. It may need to build a VPN tunnel between UNC-NMS and NNS-500/NMS-1000V when the connection will go through the internet.

Note	The NMS-500 and NMS-1000V FW version must be v1.0b220503 for the above setup.

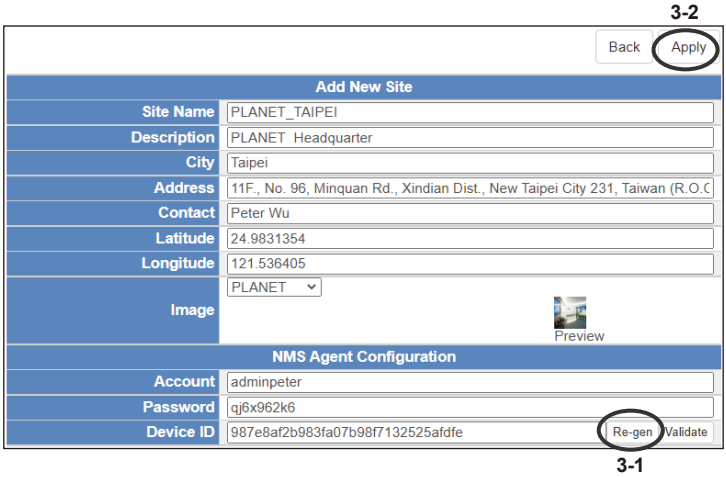
1. In UNC-NMS, press the **"Site"** button.

2. Press the **"add a new site"** button.

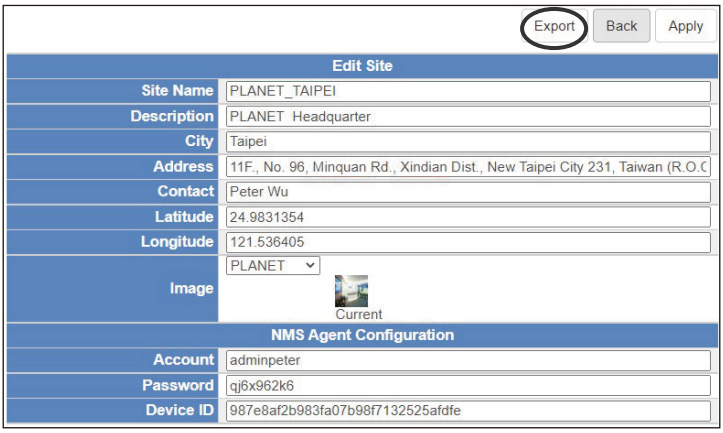


3. 3.1 Enter the new site information and re-gen a Device ID.

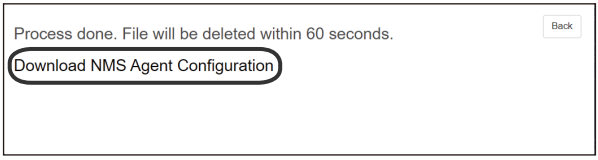
   3.2 Press the **"Apply"** button to finish the Configuration Successfully.

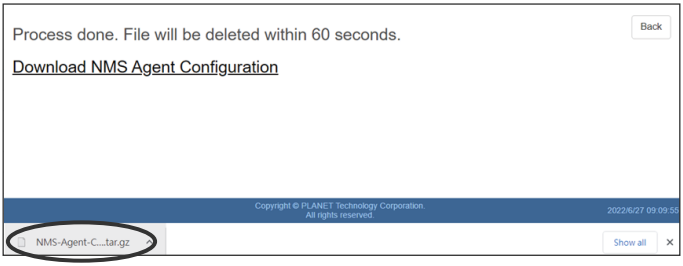


4. Press the **"Export"** button to create an "NMS-Agent-Conf" file.



5. Click the **"Download NMS Agent Configuration"** link to get the file.

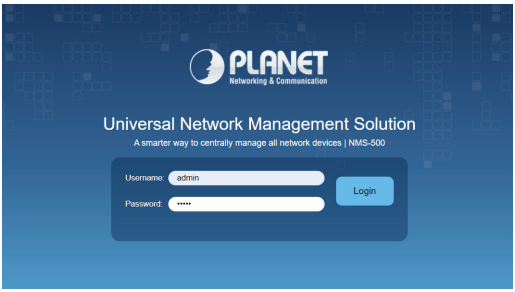


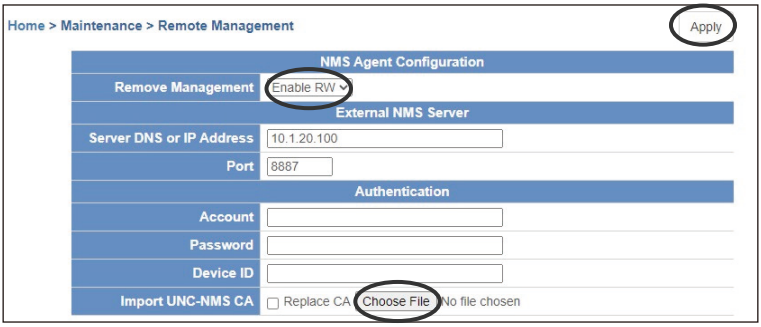


Step 3: For UNC-NMS to successfully control the site, **Site** requires some configurations.

In NMS, click on **"Maintenance"** and then select **"Remote Management**".

Go to the **Remote Management** page, select **"Enable RW"**, enter the UNC-NMS DNS or IP address and import the "NMS-Agent-Conf" file, and then press **"Apply"** to finish the process.





Further Information:

The above steps introduce the simple installations and configurations of the UNC-NMS Central Controller. For further configurations of PLANET NMS, please refer to the user manual, which can be downloaded from the website.

PLANET online FAQs:
http://www.planet.com.tw/en/support/faq

Support team mail address:
support@planet.com.tw

User's Manual:
https://www.planet.com.tw/en/product/unc-nms

(Please select your model name from the Product Model drop-down menu)

If you have further questions, please contact the local dealer or distributor where you purchased this product.

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