

# Universal Network Management Solution

Management Controller Type	Hardware UNI-NMS Controller		Software UNI-NMS-LITE	Mobile App PLANET CloudViewer
Model No./System Name	NMS-1000V-10/12	NMS-500	UNI-NMS-Lite (Universal Network Management System)	CloudViewer
Product Image				
Touch LCD Screen	10.1"/12.1" TFT-LCD	-	-	-
Max. Manageable Devices	1,024	512	100	20
Resolution	1028 x 800/1024 x 768	1280 x 1024	1280 x 1024	N/A
HDMI Output	●	-	-	-
Extra computer not required	●	-	-	-
Dashboard	Interactive Dashboard ● Multi WAN Traffic History ●	●	●	●
Setup Wizard	●	●	●	●
Devices Status Monitoring & Configuration	AutomaticDevices arrangement online/offline ●	●	●	●
	Manual add devices ●	●	●	-
	Domain Router Define ●	●	●	-
	Switch Virtual Panel with Configuration Function ●	●	● <sup>1</sup>	●
	Switch per port Traffic and PoE History Graph ●	●	●	● <sup>1</sup>
	AP Control ●	●	●	-
Topology Management	Multi-level topology ● <sup>1</sup>	● <sup>1</sup>	● <sup>1</sup>	-
	Automatic topology arrangement ●	●	●	-
	Manual topology ● <sup>1</sup>	● <sup>1</sup>	-	-
Web Management	User-friendly, intuitive graphical configuration interface ●	●	●	●
	Operator authorization levels ( User Account Management ) ● <sup>1</sup>	● <sup>1</sup>	-	●
	Unauthorized login deny mechanism ●	●	●	●
	Synchronization mechanism ensuring real-time status update of the devices ●	●	●	●
Zero Touch Provisioning	Simple procedure: Rack, connect and power on ●	●	●	●
	Topology auto-discovery mechanism ●	●	●	-
	Standard five-level alarm display ●	●	●	-
	Grouped alarm monitoring interface, defined according to customer requirements ●	●	●	-
Fault Management	Customized alarm filter rules that enable the display of events in order of importance ● <sup>1</sup>	● <sup>1</sup>	-	-
	System Event and Syslog daily list ●	●	●	-
	System Event Server ●	●	●	-
	Remote Syslog Server ●	●	●	-
	SMTP Alert ( Alert Configuration ) ●	●	-	-
Configuration Management	Alert Pop Message ●	●	-	-
	System Event / Syslog Event Filter ●	●	●	-
	Real-time status feedback for every device configuration ●	●	●	-
Performance Management	Hyperlink Control ●	●	●	-
	Uniform performance management system for all devices under management ●	●	●	-
Security Management	Monitor device CPU and RAM utilization ●	●	●	-
	Unauthorized login deny mechanism ●	●	●	-
	Maintains system and device operation logs and supports log export ● <sup>1</sup>	● <sup>1</sup>	-	-
Diagnostics	https Hypertext Transfer Security Protocol, SSL/TLS plus sealed package ●	●	●	-
	Ping device IP ●	●	●	-
System Backup & Restore	USB Backup/Read Raw Data ●	●	-	-
	USB Backup/Restore System Setting Configuration ●	●	-	-
Floor Map	50 (1MBytes x50)	25 (1MBytes x25)	1(1MBytes x10)	-
Built-in DHCP Server	●	●	-	-
Built-in RADIUS Server	●	●	-	-
MAC Access Control (Black list)	● <sup>1</sup>	● <sup>1</sup>	-	-
PLANET DDNS / Easy DDNS	●●	●●	●	-
Port Configuration	●	●	●	-
Remarks:1. Future feature supported through firmware/patch upgrade				Android: 6.0 and above iOS: 13.0 and above



## Universal Network Management Solution

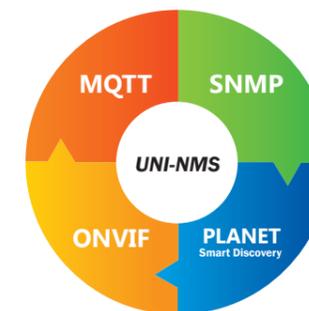


### A Smarter Way to Centrally Manage All Network Devices

#### Key to maximizing network management efficiency

PLANET Network Management System (NMS) Solution successfully integrates MQTT, SNMP, ONVIF protocol and PLANET Smart Discovery to enable administrators to monitor and further manage all kinds of networking devices, including Ethernet switches, PoE equipment, wireless access points, and VoIP and IP surveillance devices.

The system scalability is workable now that NMS solution allows users to control over 200 sites and 200 floor maps, with 500 nodes per site; in the same system, users are able to set up a maximum of 128 AP groups, 128 SSID profiles, 1024 managed APs and 20,000 clients. Through its user-friendly dashboard and user authentication, UNI-NMS guarantees the smartest and most secure remote management across different network protocols.



### Centrally Manage All Network Devices via One Platform

VoIP, IP Cameras, Switches, APs, Routers,...



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## Features



### Node Discovery

To detect PLANET managed devices available and allow AP grouping to accelerate AP management.



### Topology Viewer

A topology of network devices compliant with SNMP, ONVIF, Smart Discovery and LLTD Protocol.



### Event Reports

The status of a network can be reported via network alarm, system log, and SNMP trap.



### USB Backup

Back up system profiles simply with a USB to prevent possible data loss. (NMS-500 & NMS-1000V)



### Authentication

Built-in RADIUS server seamlessly integrated into the enterprise network



### SMTP Alert

To send an email alert to the administrator via the SMTP server.



### Zone Plan

Optimizing AP deployment with actual signal coverage.

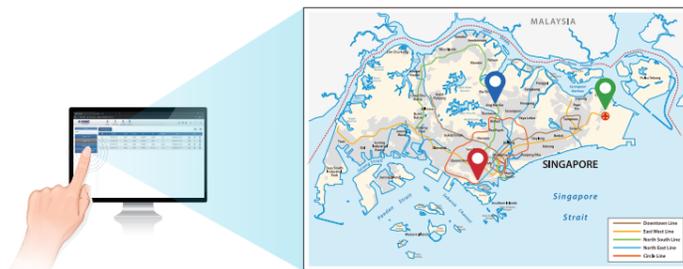


### Oracle Virtual Box

Employing Oracle VM technology to enhance operation flexibility. (UNI-NMS)

## Real-time Centralized Monitoring

As the UNI-NMS can come out with a topology view of the network of the deployed powered devices, it enables to detect which device is online (blue) or offline (red). The real-time centralized monitoring of these devices can help the administrator to know what the current statuses of these devices are. As shown on the right, it comes with the mapping function that enables to detect the location of each network site.



## Cost-effective Central Network Management Solution for SMBs

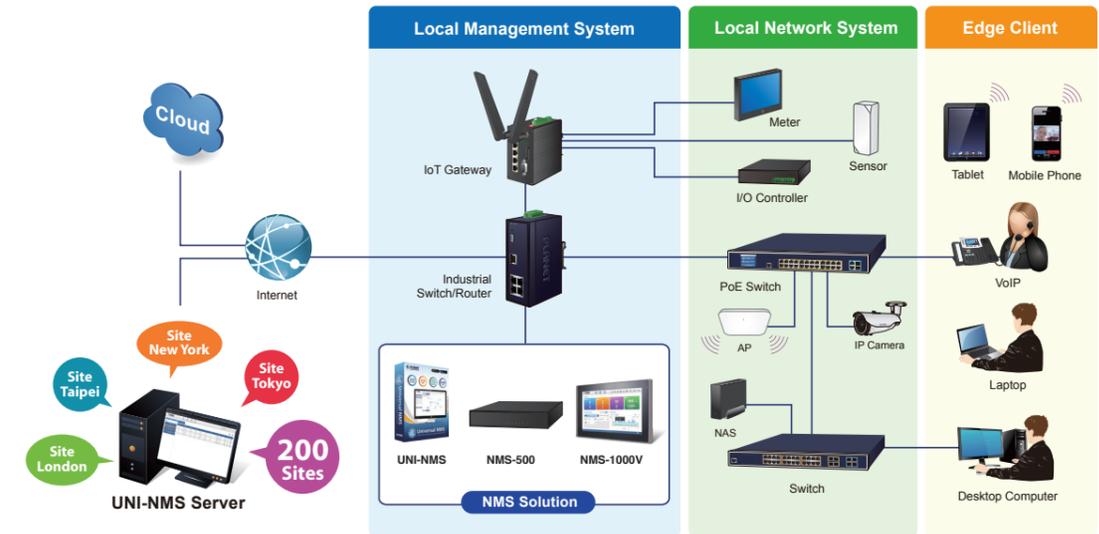
PLANET Network Management Solution helps service providers and IT managers control all PLANET network device through a single platform. It also enables SMB IT administrators to effectively manage a local network of up to 512/1024 managed nodes and 200 sites simultaneously.

The NMS automatically discovers and configures device profiles, batch provisioning and firmware upgrade. With its built-in SAPC (Smart AP Control) function, users are able to customize their own Wi-Fi plan on the basis of actual floor maps, and further monitor all managed APs via a single Web-based interface. To overcome the challenge of manually configure wireless APs one at a time, cross-platform operation through virtualization software greatly saves SMBs both time and money.

Wireless AP Controller Features		System Management
Encryption Type	64/128-bit WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, 802.1x Authentication	Management IP/port Login account modification System upgrade
Wireless Security	Enable/Disable SSID Broadcast AP Isolation	System Requirements
Multiple SSIDs per Frequency Band	Up to 5	Minimum Hardware Requirements
RF Control	Output power Auto channel Traffic shaping per frequency band IAPP L2 roaming	CPU: Intel Core i5 3.4 GHz dual-core or above RAM: 4 GB minimum HDD: 200 GB (actual requirement is dependent on log size)
System Management Features		OS Supported
Management Interface	Web-based user interface	Microsoft Windows 7/8/8.1/10 *Mac OS X 10.8/10.9/10.10/10.11 Note: supported OS is dependent on virtualization product
		Virtualization
		Oracle VirtualBox 5.0 or later
		Browser Supported
		Chrome 31.0 or later

Remarks: \* New features will be added through system updates.

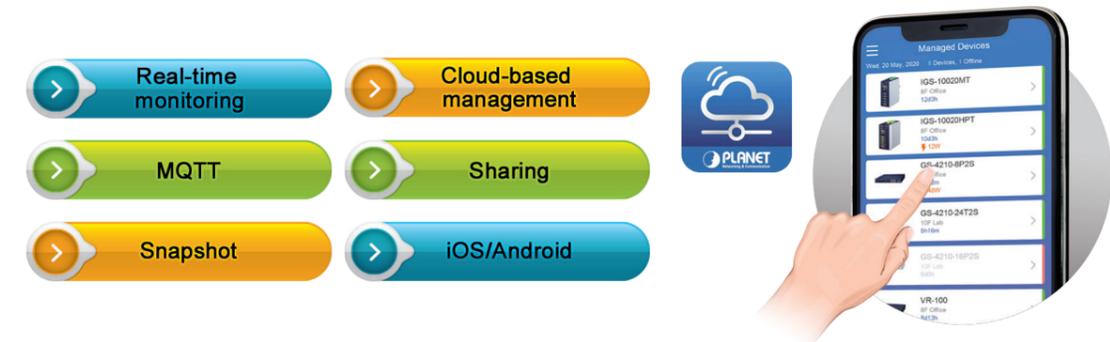
## Applications



## Intelligent Decentralized Management with PLANET CloudViewer App

### Intuitive Mobile User Experience with Cloud Network

PLANET CloudViewer is an Intelligent App to monitor your network in the cloud. With cloud network, it makes data and services available from anywhere with an Internet connection. With PLANET CloudViewer, your network status can be monitored in real time anytime, anywhere via your mobile phone or tablet. User can easily check network status, device information, and port and PoE statuses from the cloud to reduce management costs.



## Sharing Access Authority for Easy Collaboration

Device owners can share their authority of device monitoring to team members via PLANET CloudViewer App. It benefits your shared members by collaborating without complicated account setting and can monitor device anytime, anywhere as device owners.

