www.planet.com.tw



Software Installation Guide & Quick User Guide

PLANET UNI-NMS-LITE

Universal Network Management Software







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OVERVIEW



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Overview

> Main Features:

Dashboard	Providing the at-a-glance view of system, device summary, traffic, PoE network status
Wizard setup	Easy to use step-by-step guidance
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 and system log
Alarm System	Popup alerts and email alerts for the administrator via the SMTP server (*only HW version supported)
Batch Provisioning	Enabling multiple APs to be configured and upgraded at one time by using the designated profile
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(*only HW version supported)
Scalability	Free system upgrade and AP firmware bulk upgrade capability
Maximum Scalability	20 nodes



Installing Oracle VM VirtualBox



Installing Oracle VM VirtualBox

• Download the Oracle VM VirtualBox from Internet to install by clicking the link below:

https://www.oracle.com/virtualization/technologies/vm/downloads/virtualbox-downloads.html

Virtualization / Technical Datails / Oracle VM VirtualBox - Downloads		
Oracle VM VirtualBox		
The latest release is version 6.1.18.		
Oracle VM VirtualRox Base Packages - 6118		
Oracle VM VirtualBox Extension Pack		
Source Code for Oracle VM VirtualBox Base Packages		
Oracle VM VirtualBox Pre-built Appliances		
Oracle Vagrant Boxes for Oracle VM VirtualBox - GitHub		
 Programming Guide and Reference (PDF) 		
VBox GuestAdditions		
Oracle VM VirtualBox Base Packages - 6.1.18	3	
Freely available for Windoes, Mac OS X, Linux and Solaris x86 platf	forms under GPLv2:	
Platform	04-bit	
Windows	Uindows Installer	
Mac OS X	ding Image	
Solaris 10 5/08 and later or Solaris 11	Solaris Package	



Installing UNI-MNS-LITE



Installing UNI-MNS-LITE

Select items from the menu to download UNI-NMS-LITE (UNI-NMS-LITE_v1.0b210226.ova.zip).
 Download Link:

ftp://wireless:ba7qsc6@ftp.planet.com.tw/Public//UNI-NMS/UNI-NMS-Lite_v1.0b210426.zip

⅔ If the file cannot be downloaded in the Chrome browser, try IE.

- **1. Press or copy link address**
- 2. Paste address to IE URL field
- 3. Save file to folder.

) () If tp://wireless:ba7qsc6@ftp.planet.com.tw/Public/UNI-NMS/UNI-NMS-Lite_v1.0b210426.zip

Do you want to open or save UNI-NMS-Lite_v1.0b210426.zip (976 MB) from ftp.planet.com.tw?

Open Save 💌 Cancel



Importing UNI-NMS Software

- Double-click "UNI-NMS-LITE_v1.0b210226.ova" to import (or import it through the VM VirtualBox Manager).
- Select
- Generate new MAC...
- Uncheck the following items if existed.
- Import hard drives as VDI \checkmark





There are the virtual machines contained in the appliance and the suggested settings of the imported VirtualBox machines. You can change many of the properties shown by double-clicking on the items and disable others using the clack boses below.

ł
1
3



How to Set Up the Software

- Right-click "UNI-NMS-LITE".
- Select "Create Shortcut on Desktop".

Tools		New Settings Disc	eni Start	
VIII TOWER	Settings Clone Move Export to OCL	Ctrl+S Ctrl+O	-NMS-Labs nots (32-bdt) B sk MD-V, Neuted	UNI-NMS-Lite
	Start Paisse Reset Close	•	PARAUX, KVM telipstion 16 MB VMSVGA Disabled Disabled	
6 8 1	 Discard Saved Sta Show Log Refresh Show in Explorer Create Shortcut o 	tr Ctrl+L n Desktop	NMS-Lite-disk001 :	vmdik (Mormal, 40.00 GE)
8	Sort Search	Ctrl+F	000 MT Desktop (B entet Costroller)	niðged Adopter, Generic Marvell Yukon 8888053



Setting Up VM Network Adapter

 1. Select VM 	🔋 Oracle VM VirtualBox Manager — 🗆 🗙
 2. Click Settings 	File Machine Help Image: Setting settin
3. Choose Network4. Choose Adapter Name	General Network System Adapter 1 Adapter 2 Adapter 3 Display Enable Network Adapter Storage Attached to: Bridged Adapter
 5. Press OK to Apply 	Ware: Generic Marvell Yukor Image: Audio Image: Advanced Image: Network
★ Please ensure your Network Adapter is connected	OK Cancel
to the local network (Managed devices included).	USB Controller: OHCI Device Filters: 0 (0 active)



Running UNI-NMS Application

- Select the UNI-NMS-LITE VM.
- Press "Start" to run the UNI-NMS-LITE.



*Press the setting button to define the General Name of VM.

	Starting LSB: Record successful boot for GRUB	
	Starting Permit User Sessions	
E OK] Started ACPI event daemon.	
	Starting LSB: daemon to balance interrupts for SMP systems	
	Starting LSB: HPA's tftp server	
	Starting Accounts Service	
	Starting LSB: start Samba NetBIOS nameserver (nmbd)	
	Starting /etc/rc.local Compatibility	
	Starting LSB: Apache2 web server	
L UK	I Started D-Bus System Message Bus.	
L UK	I Started Regular background program processing daemon.	
L UK	J Started Deferred execution scheduler.	
L UK	J Started Daily Cleanup of Temporary Directories.	
L UK	J Reached target limers.	
	Starting Lass set the Cru rrequency scalling governor to undemain	
	Starting Lugin Service.	
r ov	Starting agstem Logging deroite	
r 0x	1 Started An object document-onjented database	
c on	Starting ISB: M monitoring demon	
г ок	Started Permit User Sessions	
E OK	1 Started Sustem Logging Service.	
E OK	1 Started Login Service.	
E OK	1 Started LSB: Set the CPU Frequency Scaling governor to "ondemand".	
	Starting Authenticate and Authorize Users to Run Privileged Tasks	
E OK	1 Started LSB: Record successful boot for GRUB.	
E OK] Started LSB: HPA's tftp server.	
E OK	1 Started LSB: daemon to balance interrupts for SMP systems.	
E OK	1 Started LSB: MD monitoring daemon.	
E OK] Started Authenticate and Authorize Users to Run Privileged Tasks.	
E OK	1 Started Accounts Service.	
E OK	1 Started LSB: Apache2 web server.	
	Stopping LSB: HPA's tftp server	
E OK] Stopped LSB: HPA's tftp server.	
	Starting LSB: HPA's tftp server	
L OK	J Started LSB: HPA's tftp server.	



Running UNI-NMS Application

 When the "UNI-NMS-LITE login" appears, please enter user login account "adminuser", and password "adminuser".

🜠 UNI-NMS-Lite [Running] - Oracle VM VirtualBox	_	×
File Machine View Input Devices Help		
UNI-NMS-LITE login: adminuser Password:		
Last login: Tue Apr 6 10:25:27 CST 2021 on tty1 Welcome to Ubuntu 16 04 2 LTS (CNU/Linux 4 4 0-201-generic i686)		
<pre>* Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://ubuntu.com/advantage</pre>		
1) View IP Status 4) Factory Default 7) Shutdown		
2) Ping 5) Logout 8) System Information 3) Restart Network 6) Reboot		
Please enter your choice: 3		
Restart network will take a few seconds		
Please enter your choice:		

 When the "preferred command" appears, please enter "No.3" to restart network command. (It will be necessary if you cannot be connected to UNI-NMS-LIET Web UI.)



BEFORE FIRST LOGIN



Device Setting



Switch: Log in to the Switch's Web User Interface and refer to the picture below to enable the SNMP, LLDP and Remote Management as shown in Figures 1, 2 and 3.

AP: Log in to the AP's Web User Interface and refer to Figure 3 below to configure the AP to "Managed AP". Then, click "Apply Change". To support SNMP AP, enable the SNMP function.

IP Cam: The ONVIF function is enabled by default.



Device Setting - Switch



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Device Setting – Switch/Router

PLANET	• K.0 2 4 5 8 10 12 • Bing • Bing
WS-1232P	🏩 AP Control 🕲 System 🗱 Switching 💥 Routing 💳 QoS 🔒 Security 🕫 PoE 🟠 Ring 🥍 Maintenance C 🗎 🕐 🖡
 Management SNMP RMON DHCP Server Remote Management Remote NMS Configuration 	Remote NMS Configuration Remote NMS Enable PLANET NMS Controller - LAN PLANET NMS Controller - LAN NMS Controller - LAN NMS Controller IP address 0.0.0.0 Authorization Status T Apply Reset Unbind

(Figure 3)



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 768)





Logging in NMS

- Username: admin
- Password: admin

Universal Network Mana A smarter way to centrally manage all net	agement Solution
Password	Login



SETUP WIZARD



Account Modification

Steps to modifying account:

- 1. Please key in a new account, except "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.

	Configuration	
User Name	admin123	
Password	1qaz!QAZ	ø
Retype Password		0
Please key in a new account, except using "admin" lew Password must be included at least 1"[a-2], 1"[A-Z], 1"[0-9], 1"[-, I,	@, w/o "?"]	



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.

	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
	Back Next	



SNMP Preference Setting

- 1. Select Region for AP Control (ETSI or FCC).
- 2. And enter the RO/RW Community for AP's SNMP.

	Con	figuration
Region *	ETSI T	
RO Community	public	
W Community	private	



Devices Discovery

- 1. Press the Search button to discover PLANET devices.
- 2. Give a check to a box and press the "Add" button to add a device to the NMS system.
- 3. Press the Finish button to leave the Wizard mode and finish the start-up setting.

				Searc	h Add Filter by Content
	Num.	Device Type	Model No.	Device IP	Device Description
6	1	Media Converter	N/A	10.1.1.250	WPS
8	2	Media Converter	N/A	10.1.1.252	WPS
0	3	Wireless.	WNAP-C3220E	10.1.1.247	
6	4	Wireless	WNAP-C3220E	10.1.1.240	
6	5	Wireless	WNAP-C3220E	10.1.1.248	
6	6	N/A	GS-4210-48P4S	192.168.1.131	GS-4210-48P45
	7	N/A	WG5W-28040	10.1.1.220	Default Location
	14	N/A	VIP-1010PT	10.1.10.67	HD PoE IP Phone(1-Line)



MAIN UI INTRODUCTION



Home Page - Dashboard UI Structure



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Main Dashboard - Description

ltem	Description	Remarks
A	Device Status Summary	 Roughly shows the system status: Current devices online (total online), clients (total active clients), device groups (total groups) Click the PLANET Logo to connect to PLANET Web site.
В	System Menu	 From left to right: 1. Dashboard: Provides the whole system view and wireless network status 2. Domain: Discovery / Device List / Topology View 3. Advanced Graph: future feature 4. AP Control: 1. Preference, 2. Profiles, 3. Control, 4. Map It and 5. Statistics 5. Refresh 6. System Configuration: Alert configuration, Date and Time, Interface, IP, Account, Wizard setting 7. Network Services: *only HW version supported 8. Maintenance: System upgrade, backup and restoration, factory default, system setting, event and syslog. 9. Exit: Click to opt for the logout, reboot or shutting down of the system
С	Local Site Information	 Switch status, 2. Router status, 3. Access Point status and 4. Total PoE status, *Click Device type button to filter each type of device via device list.
D	Device Type Summary	Show the real-time total quantity of devices under different types
Е	History Graph	Show the history graph of WAN traffic / total PoE usage and budget
F	Popup Alert Message Window	*only HW version supported



DASHBOARD INTRODUCTION



Dashboard - Local Site Information

- Local Site Information: In this area, you can view 1. Switch, 2. Router, 3. Access Point online/off status and 4. Total PoE usage and budget status.
- > Click Router ">" button to see the WAN real-time traffic throughput of Mbps, Kbps... . Click Router "<" button to go back to status.





Dashboard (Home)

> Click the Device type button to filter each type of device via device list.

Content Switch			Route	1 Creane 0 Critices	>	Control Control Official Official		POE 14 weth Total Usage 360 watt Total Budget		
		Devi	7 0 (ce(s) Client(s) Gro	0 ==p(s)		፼ ያ ≗	0 0 •	ۍ کل	b- ≻	Switch: Cl
Recovery Device List	Topology View					Total 7. Online: 7	Switch Industrial Switch J	le Q I	8	Madia Co
I Status Group	MAC Address	Device Type	Model No.	Version	IP Address	Device Description	Authorization Status	Action		ivieula Cor
•	a817.e0.62.31.80	Industrial Switch	IG8-5225-8P48	v3.440b200331	192.168.1.180	IE L2+ Managed PoE+ Switch	Ť	≊ 0 t	5	Poutor: C
•	a8.17.e0.65.e5.e1	Switch	GS-4210-8P25	v2 3056200330	192.168.1.148	L2/L4 Managed PoE Switch	T	\$₽1	1	Rouler. C

- Switch: Click the "Switch Button" to filter the type of Switch, Industrial Switch, and Media Converter.
- Router: Click the "Router Button" to filter the type of Router.
- Wireless AP: Click the "Wireless AP Button"
 to filter the type of Wireless (AP). 30



Dashboard - Device Type Summary

- > Device Type Summary: Show the real-time total quantity of devices under different types.
- Open the "Zero Filter Button" to filter the 0 quantity of devices type not shown. If this function is closed, you can see all types that NMS can manage.
- > Click the Device type button to filter each type of device via device list.

		Zero F	ilter: ON	Network	Summary		Zero	Filter: OFF
1	I	Industrial Switch	1		∮ Switch	1	De VolP	0
1		Router	1	D	Industrial Switch	1	IP Camera	1
3					Media Converter	0	IP Power	0
					Router	1	Wireless(AP)	3
					Industrial Automation	0	Unknown	0
	1 3	1 1 1 1 3	Zero F 1 1 Industrial Switch 1 Router 3	Image: Constraint of the second se	1 Industrial Switch 1 1 Router 1 3 Image: Stress of the stre	Zero Filter: ON Network Summary 1 1 1 1 Router 1 3 Media Converter Image: Router Image: Router Image: Router Image: Router Image: Router Image: Router Image: Router Image: Router	Zero Filter: ON Network Summary 1 Industrial Switch 1 1 Router 1 3 Media Converter 0 Router 1 Image: Switch 1	1 Image: Constrained witch 3 Image: Constrained witch 3 Image: Constrained witch 3 Image: Constrained witch 1 Image: C



Dashboard - History Graph

- > History Graph: Show the history graph of WAN traffic / total PoE usage and budget.
- > Press the "WAN" or "PoE" sheet button to change the type of history graph. Press the "Interval Button" to change the interval for day, week, or month. Then you can see the WAN traffic / total PoE usage and budget.



*Moving finger or mouse cursor on graph can let you see the detailed information.



FOOTER INTRODUCTION



Footer - Popup Alert Message

- > Popup Alert Message: Click the "Message" icon (No. 1) to show the last 30 system events in popup window.
- > The last event will be shown on the top page; press the "X " icon (No. 2) to close each message.



(*only HW version supported)



SYSTEM MENU - DOMAIN



Discovery

Press the "Domain" icon (No. 1), and then press Discovery (No. 2) and Search (No. 3) to find the managed APs and continue other settings.

			20 0 Device(s) Client(s)	2 Group(N)	@ 2 ≗ ○ ♥ - ⊕ - ፆ - ₺				
Disco	very Dev	CH LHE ROPORDER VIEW				Total : Refresh 2	opty All	• Paller by Content	
	Num.	MAC Address	Device Type	Model No.	Version	Device IP	Device Description	Support Authorization	
	1	a8.17 e0.00.02.22	Unknown	58-4210-24HP2C	v1.3055200221	192,168,100,91	L2/L4 Managed PoE Switch	6	
	2	a6.17 e0.29.db.09	Unknown	BSP-360	v1.2536170218	192.168.100.81	BSP-360	B	
	3	a8:17:e0:21:10:4e	Unknown	IGS-6225-4725	y2.4406201203	192.168.100.36	IE L2+ Managed Switch	E.	
	4	a0.17 e0.54.0c.e1	Unknown	ICS-24007	v1.1910b200215	192.168.100.161	Serial Device Server	2	
0	5	#8.17 #0.57 91 b2	Unknown	IGS-10020MT	v2.4405200617	192 168 100 35	IE L2+ Managed Switch	1	

Support Authorization: If the devices support MQTT protocol, the status will show "Blue Key".

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Кеу	Status
•	Supported
2	Not supported
-	Managed by the other NMS


Adding Devices to List

 Select devices (No. 1) by checking the boxes, and then press the "Apply" icon (No. 2) to add devices to management list.

•	PLANE	I		192,168,100,5:88 Configuration Succ	88 殿示 Est/J	2	ଡ ♥ ≞ ୦	• • • • • • •
'n	witty Devi	e Litel Topology View				*** V	All All	✓ Pitter by Content Q.
8	Num.	MAC Address	Device Type	Model No.	Version	Device IP	Device Description	Support Authorization
2	. 8	a8.17 e0.00.02.22	Unknown	G8-4210-24HP2C	v1 3056200221	192 168 100 91	L2/L4 Managed PoE Switch	Ъ
2	2	a8.17 e0.29/db/09	Unknown	B9P-360	v1.253b170218	192.158.100.81	B3P-360	² D
5	3	80.17.e0.21.10.4e	Unknown	KGS-5225-4725	v2.4406201203	192,168,100.36	IE L2+ Managed Switch	6
53	4	a5.17 e0 54 0c e1	Unikstein	ICIS-24007	v1.19106200215	152 165 100 161	Senal Device Server	10
-	5	88 17 60 57 91 52	Shikhown	IGS-10020MT	v3.8406200817	192.168.100.55	IE L2+ Managed Switch	1
				Can	right & PLANET Technology Ca All lights network	eposition.		📮 20210423 18 18 18



Device List and Topology View

Press "Device List" to see the device status.

CIBCO	New Devic	C LEA	NOD YIER		1	rout 26; crime: 1, crime: 20	A8	·	of Content	-	P
	Status	Group	MAC Address	Device Type	Model No.	Version	IP Address	Device Description	Act	ion	
0			20.6101.02.04:09	Camera	(PCamera	NA	192.168.100.19	PLANET	3E 6	P	3
			a6.17 x0.00.02.22	Switch	08-4210-24HP2C	V1.309b200221	192.168.100.91	L2/L4 Managed PoE++ Switch	≅ 6	Pt	8
	• 1		46 17 40 29 (B) 09	Industrial Switch	85P-360	v1.2536170218	192.168.100.81	857-360	恶 d	Pt	5
D			a0 17 s0 21 10 de	Industrial Switch	KSS-5225-4725	v2.4406201203	192 168 100 36	IE L2+ Managed Switch	16 d	Pt	8
	• 6		alt 17 e9 46 24 09	wretess	WDAP-C7200E	WDAP-C7200E-AP- ET84-V3.0- Build202000231143825	192 958 100 151	11F Demo Room_C3200E	i≣ d	Pđ	6
	• °		#5.17 x0.54.0c.e1	Industrial Automation	IC5-2400T	v1.1010b200215	102,165.100.101	Serial Device Server	≈ 6	Pt	8
	• 1		80.17 #0.57 91 62	Industrial Switch	1GS-10020MT	v3.440b200017	192.163.100.25	IE L2+ Managed Switch	18 d	Pt	8
0	0 %		a8 17 x0 58 96 16	Industrial Automation	IMG-22007	v1.1910b200407	192, 168, 100, 162	Modbus Gateway	18 d	Pt	5
0			a817.e0.55.4d.8c	Industrial Switch	W08-5225-6T29V	v1.3666200722	192.168.100.41	IE L2+ Managed Switch	题。	P	6
			alt 17 e0 56 4e 54	Indesthal Switch	WG8-8225-6T25V	v1.3665200722	192.168.100.22	IE L2+ Managed Switch	25 d	Pt	8
			#5.17.40-35.92.21	Router	VR-300	v1.1007b210219	192, 168, 100, 1	PLANET VR-300 VPN Router	₩ 6	Pt	5
0	• 1		a8.17 w0.57.90.99	Industrial Switch	IG8-5225-4UP1728	v4.4408200031	192.168.100.11	138-5225-4UP1T25 Industrial PoE Managed Switch	18 0	Pt	8
0			a817.e0.61.5a.17	Industrial Switch	WG8-5225-8P28V	v1 3668200722	192.168 100.34	IE L2+ Managed PoE Switch	2E d	Pt	8
			46.17 ×0.51.54.77	Industrial Switch	WG5-8225-8P25V	v1.3665200722	192 168 100.21	IE L2+ Managed PolE Switch	5E d	9 1	5
0	• 1		a0.17 x0.61 64.61	Industrial Switch	WG5-5225-8P25V	v1.3665200722	192 165 100 61	IE L2+ Managed PoE Switch	16 0	Pt	5
								(08-6325-8UP282X, EL3			1

Authorization Status: If the devices support MQTT protocol and are managed currently with NMS, the authorization status will show "Green Key".

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Device List and Topology View

- Press "Topology View" to see the domain network topology after one minute.
 - if you do not see the topology, please check devices to enable SNMP and LLDP function.





Device Identification

- Press the "Identification" icon to modify the device description, type, and web protocol information.
- If there are VR series router in the network, please select one from them to define to domain router of the network.

	Status	Group	MAC Address	Device Type	Model No.	Version	IP Address	Device Description	-	ction	
			20.6101.02.04.09	Camera	PCamera	NEA	192.168.100.19	PLANET	题	0	-
0			a8.17 x0.00.02.22	Switch	08-4210-24HP2C	V1 3055200221	192.168.100.91	L2/L4 Managed PoE++ Switch	25	e	8
2			HS 17 HO 29 (B) 09	Indestinal Switch	852-360	v1.2535170218	192.168.100.81	857-360	355	8	畲
5			a0 17 s0 21 10 de	Industrial Switch	KGS-5225-4725	v2 4436201203	192 168 100 36	IE L2+ Managed Switch	195	8	亩
5	• 6		a8 17 e9 48 24 09	wretess	WDAP-C7200E	WDAP-C7200E-AP- ET84-V3.0- Build20200523143826	192.958.900.151	11F Demo Room_C7200E	8	0	ŵ
3			#5.77 #0.54.0c.#1	Industrial Automation	IC5-2400T	v1.10106200215	122,165.100.101	Serial Device Server	35	ð	击
2	• 1		88.17 #0.57.91 b2	Industrial Switch	4GS-10020MT	v3.4405200017	192,160,100,25	IE L2+ Managed Switch	3 8	P	亩
	0 %		a8 17 x0 58 96 16	Industrial Automation	IMG-22007	v1.1910b200407	192, 168, 100, 162	Modbus Gateway	18	Ð	亩
5			a817.e0.55.4d.8c	Industrial Switch	W08-5225-6T29V	v1.3666200722	192.168.100.41	IE L2+ Managed Switch	28	0	亩
2			alt 17 e0 55 4e 54	Indesthal Switch	WG8-8225-6T25V	v1.3665200722	192.168.100.22	IE L2+ Managed Switch	25	д	畲
2			#5.17.40-35-52.21	Router	VR-300	v1.1007b210219	192, 168, 100, 1	PLANET VR-300 VPN Router	-	8	畲
0	• 1		a8 17 w0 57 90 99	Industrial Switch	IG8-5225-4UP1728	v4.4405200031	192.168.100.11	138-5225-4UP1T25 industrial PoE Managed Switch	膨	0	ŵ
0			a8.17.e0.61.5a.17	Industrial Switch	WG8-5225-8P28V	v1 3668200722	192.168 100.34	IE L2+ Managed PoE Switch	25	8	*
5			#5.17 x0 51 5# 77	Industrial Switch	WG5-8225-8P25V	v1.3665200722	192 168 100.21	IE L2+ Managed Polt Switch	35	8	畲
5			a0.17 x0.61 64 61	Industrial Switch	WG5-5225-8P25V	v1.3665200722	192 165 100 61	IE L2+ Managed PoE Switch	15	0	亩
	-							103-6325-8UP292X, EL3		-	

	Identification
Device Description	PLANET VR-300 VPN Router
Device Type	Router v
Username	
Password	and the second s
Web Protocol	CHITP CHITPA
HTTPs Port	443
Location	
Domain Router	Selected O Unselected

Mar

Support Authorization: If the devices support MQTT protocol, the domain WAN traffic function will show on dashboard.



SYSTEM MENU- AP CONTROL



AP Control UI – Structure & Description

•	PLAN	ET			28 14	0	A	P control i	con		A	a .	4	dh
X Pre	eference	> AP Manaj	es • 👌 🛞 Control • gement	4 🖲 Map It	Device(s) Client(s) 0	Main Me	nu mar 2 🖬 🖑	@- @ Ann [1	(0.512)	0	-	ter by D	ontend	q
	Status	Group	MAC Address	Device Type	Model No.	Version	IP Address	Device Description			Ac	tion		
	•		88.17.40.48.10.10	Windexs	WNAP-C3220E	WNAP-C3220E-AP- FCC-V1.0- Build20180813133317	10.1.1.247		18	0	83	ø	0	8
8	٠		ali 17.e0.48.10.95	Wireless	WNAP-C3220E	WNAP-C3220E-AP- FCC-V1.0- Build20180813133317	10.1.1.240		15	0	8	è	Q	÷
10	•		a8 17 e0. 48 10 98	Wireless	WNAP-C3220E	WNAP-C3220E-AP- FCC-V1.0- Build20180813153317	10.1.1.248		35	8		ø	Q	8

Item	Description	Remarks
1	Preference	Edit region, RO community, RW community
2	Profiles	Set up SSID, Radio (2.4G, 5G) Profiles
3	Control	AP and AP group management
4	Map It	Edit the map of AP location and coverage
5	Statistics	Show the statuses of managed APs and active clients



Main Menu – Preference

			periodish periods	Group(s)					
Preference	Profiles + 🛞 Cantrol +	() Map It	Statistics الر						
forme > Edit Prefer	renoe							Apply	Reset
			1.2		Configuration				
	Reg	ion* ITSI	*						
	RO Comm	unity public							
	RW Comm	unity press							

[Preference]

- > Preference: On this page, you can choose the device region of FCC or ETSI.
- > Then edit RO community and RW community for public or private use.
- > Select Apply or Reset.
- > Noted: Device of FCC and device of ETIS cannot be shown at the same time.



Main Menu – Profiles

> 551	D Profile >	SSID			85	Filter by SSID Name	Q 10 (1	0_128)	3
	Nett	Maded No.	ISID Name	SSO Broaked	Security	Encryption	Client Issiation	Alte	81
-	1	WBS-502N	6F Customer	Enabled	WPA-Mixed	Personal (Pre-Shared Key)	Enabled	125	
0	2	WB3-502N	Blest 502N	Enabled	WPA2	Personal (Pre-Shared Key)	Disabled	100	畲
8	-3	W89-502N	PLANET 7F	Enabled	WPA-EAP	Enterprise (RADIUS)	Enabled	100	ŵ
0	- 4	WBS-502N	Test 502N	Enabled	WPA	Personal (Pre-Shared Key)	Enabled	28	畲
8	5	WNAP-C3220A	3F_C3220A	Enabled	WPA2	Personal (Pre-Shared Key)	Enabled	100	ŧ
ù.	6	WNAP-C3229A	Test C3220A	Enabled	Disable	Disabled	Disebled	28	畲
0	7	WNAP-C3220E	Test C3220E	Enabled	WPA-EAP	Enterprise (RADIUS)	Disabled	25	亩
01	8	WNAP-W2200UE	1F_W2200UE	Enabled	WPA	Personal (Pre-Shared Key)	Disabled	22	畲
0	9	WNAP-W2200UE	PLANET 7F	Enabled	WPA2	Personal (Pre-Shared Key)	Enabled	28	畲
	10	WNAP-W2200UE	Test W2200UE	Enabled	WPA2	Personal (Pre-Shared Key)	Enabled	22	南

Profiles: On this page, you can create the SSID and 2.4GHz/5GHz profiles for further AP provisioning.

SSID Profiles: Click the "Add new profile" button to add a new SSID profile.

Radio Profiles: Click the "Add new profile" button to add a new 2.4GHz radio profile or 5GHz radio profile.

You can create up to 32 profiles for each type of profiles (SSID, 2.4G radio, 5G radio).

[Profiles]



Main Menu – Profiles

Marter No.	WB5-902N +			
0.000	DI ANET IC	15	C Configuration	
550 M/M	PLANET IT	12		
Circl Lukelon	Enable *			
VI.4410	4394 (3 to 4094)			
		500	ntly Configuration	
Encypton	WPA-EAP *			
Automission Male	Enterprise (RADIUS)	*		
RADIUS Server IP Address	1.1.1.1			
RADIUS Server Part	1			
SADUG Server Paradutt	7111			

- On the SSID profile configuration page, enter the value that you preferred and then click "Apply" to save the profile.
- Add new profile: Click it to add a new profile.
- Delete selected item: Click it to delete the

selected profile.

- 😤 Edit: Click it to edit the profile.
- â Delete: Click it to delete the single profile.
- Filter: You can filter the search result by entering the keywords in the field next to the magnifier icon. The keywords include: SSID Name



Main Menu – 3/Profiles

ome > Radio Pro	file > 2.4GHz > Ci	onfiguration			Apply	Back I	Rese
			Radio I	Profile Configuration			
	Nodel No.	WNAP-C3220A *					
			29	Blasic Setting			
Rath	Profile Description	Test-2.4G c3220A					
	Warriess Mode	11b/g/n mixed mode *					
	Channel Bandwidth	40MHz *					
	Charrel	Auto 🔻					
	MCS	Auto 🔹					
	To Power	100% *					

- On the Radio profile configuration page, enter the value that you preferred and then click "Apply" to save the profile.
- Apply: Click this button to save the settings.
- Back: Click this button to return to the previous page.
- Reset: Click this button to reset all fields to default value.

46



Main Menu – 3/Profiles

Iome > Radio Profile > 5GHz :	Configuration				
				Apply Back	Reset
		Radio P	hotle Configuration		
Model	WBS-502N *				
	Tre	-23 10	Bank: Setting		
Radio Prolle Descript	> 5G 502N				
Weisen M	11a/n mixed mode •				
Chernel Bander	20MHz 💌				
0	Auto •				
Ta Pe	100% *				
Ciert	• 8 64 (0 to 64	4)			
RSSI Tives	-95 (-95 to -65) d	18m			

Remarks:

1. Strongly suggest you to keep the values as default except the fields like Channel, Network Mode, Channel Bandwidth, Tx Power, IAPP, and Tx/Rx to prevent any unexpected error or impact on the performance.

2. WMM Capable is not allowed to be disabled.

[5GHz Radio Profile Configuration]



Preference	Search	Profil	es.v 🛞 Co	ntrol - 🕲 Map It	→ [#] Statistic	5						
ome > Control >	AP Management		13	@ @· 💼	Apply Fils	e by Corinet		Q	10	(10.3	(24)	
Ostine 🔵 Offi	ine Cistable	Oncine Torie	10-1-10-	and the second se	TAILor	Over Develop				-		
	a6.17.e0.10.05.00	Weeless	WNAP-C3220A	1 3465cb170417	192,168,1.4	WNAF-C3220A	惑	θ		æ	ø	ŝ
	#0:17 ±0 10:05:03	Weless	WNAP-032284	1.3405cb171030	102.108.1.3	WNAF-C3226A	18	0		ø	0	畲
	44 st1 1a 22 15 c9	Weless	W85-552N	WES-502N-AP-FCC-V1.0- Rue00180607105211	192 168 1 234	WES-502N	18	8	61	ð	0	8

- Control: On this page, the system allows you to control the AP or AP group with specific actions.
- AP Management: Go to this page to control single AP or multiple APs.
- AP Group Management: Go to this page to create multiple APs as a group or control AP group.
- Filter: You can filter the AP list by entering the keyword in the field next to the magnifier icon. The keyword should be in any context that belongs to the fields like AP Group, MAC Address, Model, Version, IP Address, and Name.
- Apply: Click this button to apply the setting. The profile setting will not take effect until you click the "Apply" button on the Control's main page.



Status:

- Connection status: online, offline, Wi-Fi disabled
- **In progress:** action in progress
 - Finished/Successful: action finished and successful.
 - 🔀 Failed: action failed.

> Action:

- Setting: edit setting and allocate profile to AP
- Link: link to the AP's web page
- Firmware Update: Upgrade AP's firmware
- 🗬 Reboot: Reboot the AP
- Delete: Delete the AP from the control list
- ③⊙⊙ LED Control: Control the AP's LED.

Mouse-click in a sequential order:

LED blink-> LED off-> LED on

> Remarks:

To configure multiple APs at one time, select multiple APs and then choose one of the action icons on the top of the page.

The "Link" action is not allowed for multiple APs.



Preference	Search	Profiles +	Control +	Map It	15	atistics				
Home > Control >	AP Management	> AP Configuration						Apply	Back	Reset
		af internation					All Loting			
	Allocations of the	INAP-032204				Loter	itatur.		Configurat	
	Dates the 2	0 17 40 15 05 00 🐴			CP Non	Shite		Skec	.+	3
	Dama Deursten	WWWP-C32284		1	General P	102.188.1.4	2	192,168	1.4	
	Epider (1999 - 1	day 3 heur All minute	56 second	-		255,255,255,8	۷.	265.265	255.0	
					-	162 188 1.1	Clone 14	192 168	1.1	
				6720	art Liptan	Coutre		Enable		
				14	CT Gener	0.0.0.0		10.7.18	1	
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		1	140 Pade	1.00		100	60 Put	1		
	1000 4	F_C3220A + 🤇			Disab	00.7				
	-	est C3220A *	•		Deat	(e) +				
	300 1	Dicaldie +			Deat					
	5504	· sideol			Dinab	(e +				
	500 B	+ indexe			Disat					
	Rate Frank	est-2.40 (3220A #			Dean	0.11				

[AP Configuration]

- > On the AP Group Configuration page, you can create an AP group with the same model of AP.
- > Save: Click this button to save the group/setting.
- > Back: Click this button to return to the previous page.
- > Reset: Click this button to reset all fields to default value.
- > Remarks: The system allows to create up to 32 AP groups.

- Procedure of configuring AP's setting:
- 1. Edit the basic AP Information.
- Click the "Clone >>" button if you want to use the same IP configuration as the previous LAN settings. Otherwise, please enter the preferred LAN setting.
- 3. If there are already profiles created, you can designate the SSID profile and Radio profile to this AP. You can do this step later once AP's basic setting is done



R Preference	Search	Profiles +	Control +	Ŷ	Map It	1	Statistics					
tome > Control >	AP Group Manage	ment		85	85	Apply	Filter by Carilied	Q,	10	(10.1	28)	ø
	Non.	Oroug Hu	-			Onsig: D	europice -			Anton		
5	- t)	2200UE	0			22900.8	E Group	器		ð	0	畲
	2	±3220ø	D1			C32204	GROUP	鹉		3	0	8

[3/Control - AP Group Management]

- On the AP Group Management page, you can create AP group and control one or more AP groups.
- E Add new group: Click it to add an AP group.
- Delete selected item: Click it to delete the selected AP group.
- Apply: Click this button to apply the setting. The profile setting will not take effect to a group until you click the "Apply" button.

> Remarks:

To do profile provisioning to multiple AP groups at one time, select multiple AP groups, and then click the "Apply" button.

The "Link" action is not allowed for multiple APs or AP group.



	e > Centro Inline 🔘 O	i > AP Managemen fire @ Dicable			00	0- 🖻	Apply Filter by	Çarih	e C				Q
	SHE	AP Ortug	NHC Address	Note 1	Version	PAddets	Name			Ad	ÚR.		
n]			4617 y0(10 11.6d	WDAP/W7200AC	#p 170406	192.1辰0.199	Wi-Fi_1140_AP	靐	д		¢	Q	亩
4		3.	ab-0' x0 10 06 09	WN4P-W2301A	1.3465cb170407	192 168.0.101	W104P-942201A	ᇔ	0	-	ø	Q	亩
8			#17-021e.11#	WDAP-W7200AC	#p-170406	192 168 0 105	WiFi_Hac_AP	35	д		ø	Ŷ	8
8		Dillepreset_T	s8.9 x0.00.01.00	WNAP-C3201A	1.3465cb170408	192.168.0.102	WNAF-032204		2	82	æ	0	亩
	-	Celling-meant_1	AD-7 x0.10.05.00	WNAP-C3220A	1.3455cb170406	102.160.0.103	WINAP-C3220A		0	8	æ	0	

- Procedure of profile provisioning to AP groups:
 - 1. Select the AP group.
 - 2. Click the "Apply" button.
 - Go to "3/Control-> AP Management" to check whether the status is becoming "In progress". Wait until the status comes "Online".

> Action:

- 🚌 Setting: Edit setting and allocate profile to group
- Firmware Update: Upgrade AP group's firmware
- 👌 Reboot: Reboot the AP group
- Delete: Delete the AP group from the control list
- ⑦ Q € LED Control: Control the AP group's LED.

Mouse-click in a sequential order:

LED blink-> LED off-> LED on



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1	and shows	5	3	44	-	-	44	70	ap	-	mai	-
	-		-		-	-	-		-			
			100									
		- 12	1			N TO	12		8			
		- 1	1					-	1			
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						_						

- Map It: On this page, the system allows you to upload your floor map to the system and you can add managed APs to the actual position against the floor map. This is convenient to user to view and adjust the actual deployment by reference to its real transmission power and channel allocation.
- > The system allows user to upload up to 10 floor maps.
- *Please use mouse to use this function.

A system message will prompt to remind you to edit map first if there is no other map available in the system. Click "OK" to continue.

12211001110010000 3033	
Please edit map first	
	OK

On the Edit Map page, click "Choose File" and enter the map's description. Then click "Apply" to upload the map.





> After finishing map uploading, you can click the sidebar at the left-side of the window to expand the AP list.





Setting Scale: 1. Click "Scale" to start to reset the map scale.



> Press the "Set" button to draw a line on the map. Fill its physical distance in the blank and press "Set" or "Cancel". For example, in the graph below, set the door width to 0.8 m.





Drag and drop the AP onto the map or select multiple APs by clicking the checkbox.



> Once the allocation is done, click "Save" to save the setting.



To upload more maps or edit current map, click the "Edit Map" button to re-enter the Edit Map page.



- > The lower-left side area provides map control options.
- > AP Group: To filter the managed APs shown on the map, the selected AP group is displayed.

AP Group	
W7200AC_1F	•

Band: Select "2.4GHz" to show APs with 2.4GHz frequency or select "5GHz" to show APs with 5GHz frequency.



> Transparency: Slide the bar to adjust the transparency of the map.





Main Menu – Statistics

1	* 342	Extic > Managet A	PM					10	Northy Content	Q 11	(nr. stort @
	-	BRE ADDIE	PARAGE	math		Annual I	M Groge	AP4: 100/14	-	NOS Rado Prime	NAL YOR THIS
	٠	at 17 wit 18,02 08	192,158,1,4	CI028A	C1230A	1.3485(6170411			16.16		164
		4017-4018-003	102.108.1.2	SINAP. CICIA	NNAP. CICIDA	1.3085(a17103)			348		-163
		411422114	182168.1234	W85-50294	V85-502N	HIDO-BUIN-AP-FOC-910- Build/0180827105211		16.76	Direct SIZIS	10.0	50.5579

[Statistics – Managed APs]

- Managed APs: On this page, you can observe the current configuration of all managed APs.
- Filter: You can filter the AP list by entering the keyword in the field next to the magnifier icon. The keyword should be in any context that belongs to the fields of this page.

A Preference	3 Seet.	M Profiles +	Control +	() Map X	P Statistics				
rum > Salish	> Active Cherris					The	NY MALL OF 1	P test CR	10(10.1020)
-	Clerified Name	-	EAlim	-	Bet	546	1400	Sent/Heri	10,004
	443003	40.004	116.81.30	Teel C3236A	1401:	62724	95036	300	59

- Active Clients: On this page, you can observe the statuses of all associated clients including traffic statistics, transmission speed and RSSI signal strength.
- Filter: You can filter the search result by entering the keywords in the field next to the magnifier icon. The keywords include MAC Address, IP Address, SSID and Band.



SYSTEM MENU – REFRESH



System Menu – Refresh

7	0	<u>dh</u>	8	0	\$ •	- 1	· -	ወ
					A	ply	Re	set

Refresh: The page content will be updated every 1 minute automatically by default. If you require the system to update immediately, you may click "Manually" to refresh the page content.



SYSTEM MENU - SYSTEM CONFIGURATION





[System Menu – System Configuration]

- Alert Configuration: On this page, you can configure the system event notice enable or disable by Popup Alert Message and SMTP function.
- > After configuration is done, click "Apply" to apply the setting.

			Abbit See
	ENABLE	ALERT_MESSAGE	SMITP
System Start	8	2	2
System Shutdown	×	*	×
Bystem Rebowt	×.	*	2
System Firmware Opgrade Successful	*	*	*
System Firmware Upgrade Pall	к.	*	*
Management Add Device	*		×
Management Delete Device	ж.	*	2
Management Device Connect	×	*	*
Management Device Disconnect	8	*	×
Naragement Device Set Profile	*	*	*
lanagement Device Profiles Setting Done	*	*	2
anagement Device Profiles Setting Failed	×	*	2
Web Legin	*	*	2

[Alert Configuration]





[System Menu – System Configuration]

- Date and Time: On this page, you can configure the Date and Time by NTP server or manual setting.
- > After configuration is done, click "Apply" to apply the setting.

(*Manual function only HW version supported)



[Date and Time configuration]



	<u>ш</u> 😤 О 🗢 -
	Alert Configuration
	Date and Time
	Interfaces
	IP Settings
1	Login Account
Configura	Wizard

- Interface: On the PORT page, you can see each Port status and you can configure the speed for down, auto, 10/100 Mbps HDX/FDX, and 1GMbps FDX on the Port Statistics page.
- Click "Apply" to apply the setting.

[System Menu – System Configuration]

Configuration P	ort Statistics			
Dent	Dist Designation	1.1-1-		Speed
Pon	Port Description	Link	Current	Configuration
1		•	1Gbps FDX	Auto

[Port Settings]



Port	Packets		Bytes		Errors		Drops	
	Received	Transmitted	Received	Transmitted	Received	Transmitted	Received	Transmitted
1	0	0	0	0	0	0	0	
2	478835	169696223	156746461	23195	0	420366	5201	





- IP Settings: On this page, you can configure the static ID of SAPC or choose it as DHCP client.
- After configuration is done, click "Apply" to apply the setting. The window will prompt you to change network setting that will cause the system to restart.

[System Menu – System Configuration]

and the second			Appiy
	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	10.1.1.3	10.1.1.3	
DNS Server 2	10.1.1.4	10.1.1.4	

[IP Settings]





- Login Account: On this page, you can modify the login user name and password.
- Enter the new user name and new password directly in the corresponding fields, and then click "Apply" to apply the setting. The login window will be prompted to ask you to enter the new account to re-log in the system.

[System Menu – System Configuration]

of s al rooms	- Los our		Apply	Reset
		Configuration		
	User Name	admini(2)		
	Password	0		
	Retype Password	0		
	*Please key in a new account, except using "selfiller" New Personnerd must be included at least Y[a-d], Y[A	(-2), 11(0-4), 11(-), ((),,) and must certain at least 6 character.		

- *Please key in a new account, except using "admin"
- New Password must include at least 1*[a~z], 1*[A~Z], 1*[0~9], 1*[~, !, @, ...] and must contain at least 8 characters.





[System Menu – System Configuration]

> Wizard: Select Wizard for setup wizard again.



SYSTEM MENU - NETWORK SERVICES



System Menu – Network Services

曲念	0	¢٠	•		
	DDN	s			
3, Online:	DHCP				
	SMTP				
	SNMP				
	RADI	US			

[System Menu – DDNS]

Network Services: On this page, you can set up DDNS, DHCP, SMTP, SNMP, and RADIUS of the system.

- DDNS: Click "DDNS" to use PLANET Easy DDNS services or Dynamic DDNS. (Supports PLANET DDNS/Easy DDNS)
- > Click "Apply" to apply the setting.

	AP(s) Client(s) Group(s	LE.	@ dh 2	8 0 · 0 ·	#• 0 • B
me > Planet DDN 5					Apply Reset
CONT Cydan	Enable Dynamic DDNS				
Cary Danwin News	Endle Exc DONS				
Account	Enable Dynamic DDNS				
Permet					
DOME		planetoldns.com			
Gamera					
Refer	N/A				

(*only HW version supported)



System Menu – Network Services



- Network Services: On this page, you can set up DDNS, DHCP, SMTP, SNMP, and RADIUS of the system.
- DHCP: On the DHCP Server page, choose "Enable" to use DHCP server service. On Client list page, you can see the Client detailed information.
 - Click "Apply" to apply the setting.

(*only HW version supported)



System Menu – Network Services

Smart AP Contro	н × +				- ¤ ×
⇒ c û	A Not secure ht	tps://192.168.1.100:8888			역 ☆ 총
	T 3 AP(s)	1 2 Client(s) Group(s)		@ # \$ ¢· ⊜·	# · O · [+
the > DHCP Server				Filter by MAC, IP	10 (10.50)
DHCP Server	Client List				
IP Address	MAC Address	Start Time	End Time	Hostname	Manufacturer
	40.4e 36 b3 42:95	2018-10-08 10:00:18	2018-10-08 11:00:18	android-7f11a81d28c2%b	HTC Corporation

[Client List Information]

(*only HW version supported)


Ø	0	<u>ah</u>	0	\$	•	-
			DDN	3		
			SMT	2		
			SNM	P		
			RADI	US		

[System Menu – SMTP]

MTP Configuration		Test	Apply	Re
	SMTP Configuration	1		
SMTP Email Alarm	Enable *			
	External SMTP Server			
DNS or IP Address	smtp.domain.com.or 192.168.0.1			
Port	587			
- Areach	Authentication			
Username	example@domain.com			
Password	Password			
	Email Subject			
Prefix	[NMS-500]			
Mail To	8			
and the second se	anamela Bitomaia esen			

- Network Services: On this page, you can set up DDNS, DHCP, SMTP, SNMP, and RADIUS of the system.
- > SMTP: On the SMTP page, choose "Enable" to use SMTP service.
- Click "Apply" to apply the setting.

(*only HW version supported)

[SMTP Setting]



2	0	Ф	-	-
	DDN	s		7
	DHC	P		
	SMTR	-		
	SNM	P		
	RADI	US		

[System Menu – SNMP]

Network Services: On this page, you can set up DDNS, DHCP, SMTP, SNMP, and RADIUS of the system.

- SNMP: On the SNMP Agent page, choose "Enable" to use SNMP v1, v2c, v3 service.
 On the SNMP Trap page, you can set up the SNMP Trap Configuration.
- Click "Apply" to apply the setting.

Not secure | https://192.958.1.100.0518 Q & # PLANET 3 1 2 () 4 2 0 · 0 · A · 0 · A Панал DOF DO LANET SHEA ANR'T I LANET 10F rivate Line No. . 1015 [SNMP Setting]

(*only HW version supported)



ert AP Control		
	secure https://192.168.1.100.8888	0.☆ ☆ :
	3 1 2 AP(s) Chent(s) Group(s)	⊕ ± ≜ • • • * · ○ · ● ·
SNMP Agent		Apply Reset
SNMP SN	MP Trap	
	SMMP Trap Configuration	
END? Sup Note	Enable	
Trap Mercine	SNMP v1 •	
Trap Community	PLANET	
Trap Declination IP Address 1	192.168.1.1	
Trap Declination IP Address 3		
Trap Destination Port	3200 (1 to 65535)	
Trap Security Level	AuthPRV *	
Trap Information Timoost	[3200 (1 to 65535)	
Trap Information Nativy Times	150 (0 to 255)	
Trap Scenarity Engine ID		
Trap Secondly Name		
Tog Auto Protocol	MD5 *	
Sop Aith Parrient		
Trap Privacy Protocol	DEB *	
Trap Privacy Password		
	STAP Trap Events	
BANK Top Note	Warm Start	
Interface	M Link Up	
1.2025	M Link Down	

[SNMP Trap Configuration] (*only HW version supported) 75



3	9	dh	0	Ф	•	
			DDN	s		
			DHC	P		1
			SMT	Þ		1
			SNM	P		
			RADI	US		

[System Menu – RADIUS]

- Network Services: On this page, you can set up DDNS, DHCP, SMTP, SNMP, and RADIUS of the system.
- RADIUS: On the RADIUS page, choose "Enable" to use RADIUS service. On RADIUS Client page and RADIUS User Account page, you can see the detailed information of them.
- Click "Apply" to apply the setting.

Smart AP Control X	*8	- 🗆 ×
← → C û ▲ Not secure	https://192.168.1.100.8888	요 ☆ 붉 :
SHEAR AP LOW THE AP(S)	1 2 Client(s) Geoup(s)	*· 0 · 0 ·
Home > Radius Service		Apply Reset
Radius Server Radius Client	Radius User Account	8 8 8
NACINUS Server Mode Server Port	•	
	※ Under normal usage is 1812 port	

(*only HW version supported)

[RADIUS Setting]





[System Menu – RADIUS Client]

	scedenarios.		Арру на	a Reset
	NAME:	to Chevel And Annual		
	PLANET			
Classifier Address	192 168 1,363			
Rama Second Korg	12349678			
Beckes.	PLANET RADIUS Client			

- Add Radius Client Configuration: On this page, you can set up Name, Client IP, Shared Secret Key, and Description of the system.
- > Click "Apply" to apply the setting.
- AP RADIUS Setup: You should go to AP's Web UI to RADIUS page to set up Radius Server IP, Password and Server Port (1812), and enable the function.

(*only HW version supported)

[RADIUS Client Setting]



Radius S	erver	Radius Client	Radius User Account				
	Num	Nema	Client IP Address	Secret Key	Description	 Ad	kan
	1	PLANET	192.168.1.253	12345678	PLANET RADIUS Client	100	窗

(*only HW version supported)



	And and a second se	The Real Property lies, Name	Robert Lines Amounts		1
-	1000		Second Statements		
•	-		and a second	-	

[System Menu – RADIUS]

\geqslant	Add RADIUS User Account: On this page, you can set up Account Name	,
	Password, Description, and Validation Period information of the system.	

Click "Apply" to apply the setting.

Arrent bere PLARET	e.	They Avenuel		
Access base PLANET	rit -			
Contract Contract				
Contras Descent and				
Internet PLANT	Protocial Employ	w		
beindermann Endle	+			
Vent line from 18 0,43	1018-00-00	102		
Experimentaria (11 Get J	1012 00 00	178		

(*only HW version supported)

[RADIUS User Account Setting]



Server	Radius Client	Radius User Account			
Num.	Account	Descriptione	Valid Date From	Expiration Date	Action
1	PLANET IE	PLANET Industrial Engineer	10 Oct 2018 00:00	31 Oct 2018 00:00	49 54

(*only HW version supported)



SYSTEM MENU - MAINTENANCE



System Menu – Maintenance System Event

- Press the "Event" icon (No. 1) to see the full system event by day.
- Press the "<< ٠

		,	,	,	, ,		200	· · · /	- 心
Pres	ss the "<<"	& ">>" icon (N	lo. <mark>2)</mark> to select dai	ly report.				Backup / Restore Diagnostics	Г
							Search	Factory Default	>> >
Home > N	laintenance > Event a	and Log				e ch	IGS	System Information System Setting	
Event	Syskig < 2021-04-2	23 >>				Search Ich	IGS a	8:17:e0:57:91:b2	-
ID	Туре	Time	Source	Status	Device Type	Info	rmation		
1	System	16:10:21	192 168 100 5	Add	Industrial Switch	IGS-10020M a8:17:0	T 192.168.100.35 0:57:91:52		
2	System	16:10:20	192.168.100.5	Add	Industrial Switch	IGS-10020M a8:17 e	T 192.168.100.35 0.57.91.52		
3	System	16:10:18	192.168.100.5	Add	Switch	GS-4210-24HP a8:17:e	2C 192 168 100 91 0:00:02:22	£.	
4	System	16:10:18	192.168.100.5	Add	Unknown	BSP-360 192 168 1	00.81 a8.17 e0.29 c	e0:db	
5	System	16:10:18	192.168.100.5	Add	Industrial Switch	IGS-5225-4T2 88:17 x	S 192.168.100.36 0.21.10:4e		
6	System	16:10:18	192.168.100.5	Add	Management System	ICS-2400T 192.168.1	00.161 a8:17:e0:54	4:0c:e1	
7	System	16:09:45	192.168.100.5	Delete	Switch	GS-4210-24HF a8:17:e	2C 192 168 100.91 0:00:02:22	1	
8	System	16:09:45	192.168.100.5	Delete	Industrial Switch	BSP-360 192.168.1	00.81 a8:17:e0:29:0	4b:09	
9	System	16:09:45	192.168.100.5	Delete	Industrial Switch	IGS-5225-4T2 a8:17 t	S 192.168.100.36 0:21.10.4e		
10	System	16:09:45	192.168.100.5	Delete	Management System	ICS-2400T 192 168.1	00.161 a8:17:e0:54	LOC:e1	



System Event

• Use "search" to choose the information you want by entering the key word.

		0.44				
ID	Sysiog C2021-04-2	3 22 Time	Source	Status	Device Type	Information
1	System	16:10:21	192.168.100.5	Add	Industrial Switch	IGS-10020MT 192 168 100 35 a817:e0:57:91:52
2	System	16:10:20	192.168.100.5	Add	Industrial Switch	IGS-10020MT 192.168.100.35 a8.17 e0.57.91.52
3	System	16:10:18	192.168.100.5	Add	Switch	GS-4210-24HP2C 192 168 100.91 a8:17 e0:00:02:22
4	System	16:10:18	192.168.100.5	Add	Unknown	BSP-360 192 168 100 81 a8 77 e0 29 db 09
5	System	16:10:18	192.168.100.5	Add	Industrial Switch	IGS-5225-4T2S 192.168.100.36 a8:17:e0.2f.10:4e
6	System	16:10:18	192.168.100.5	Add	Management System	ICS-2400T 192 168 100 161 a8:17:e0:54:0c:e
7	System	16:09:45	192.168.100.5	Delete	Switch	GS-4210-24HP2C 192 168 100.91 a8.17 e0:00:02:22
8	System	16:09:45	192.168.100.5	Delete	Industrial Switch	BSP-360 192.168.100.81 a8:17:e0:29:db:09
9	System	16:09:45	192.168.100.5	Delete	Industrial Switch	IGS-5225-4T25 192 168 100 36 a8:17 e0:21 10:4e
10	System	16:09:45	192, 168, 100, 5	Delete	Management System	ICS-2400T 192 168 100 161 a8:17 e0:54 0c e



System Menu – Maintenance Syslog Server

- Press the "Syslog" icon (No. 1) to see the full syslog by day (Open the devices remote syslog function.).
- Press the "<<" & ">>" icon (No. 2) to select daily report.
- Press the "Drop-down" menu (No. 3) to select severity and device ID.

10me > Maint	2. 3.			
Event Syst	xg < 2021-04-23 >> Severity: Any	✓ Device: Any ✓		Search Q K K 1 /2 >>>
ID	Severity	Time	Source	Information
1	Notice	16:21:30	192.168.100.151	Apr 23 16 18 28 root: ntpscript log periodic
2	Notice	16:09:48	192.168.100.151	Apr 23 16:06:46 root: ntpscript log periodic
3	Notice	14:59:42	192.168.100.151	Apr 23 14:56:44 root: ntpscript log periodic
4	Notice	13:48:53	192.168.100.151	Apr 23 13:46:00 root: ntpscript log periodic
5	Notice	12:48:48	192.168.100.151	Apr 23 12:45:59 root: ntpscript log periodic
6	Notice	12:37:46	192.168.100.151	Apr 23 12:34:58 root: ntpscript log periodic
7	Notice	11:37:41	192.168.100.151	Apr 23 11:34:57 root: ntpscript log periodic
8	Notice	11:25:32	192.168.100.151	Apr 23 11 22 49 root: ntpscript log periodic
9	Notice	10:15:25	192.168.100.151	Apr 23 10:12:46 root: ntpscript log periodic
10	Informational	09:08:29	192.168.100.10 (GS-6320-24UP2T2XV, L3 Managed PoE Switch, v1.440b200909)	2021-04-23 Fri 09:05:53+08:00 [GS-6320-24UP2T2XV] LINK- UPDOWN: Interface GigabitEthernet 1/12, changed state to up.



Syslog Server

- Use Search to choose the information you want by entering the key word.
- Use Clear Syslog button to delete all syslog.

Event Syslog	< 2021-04-23 >>> Seventy: Any	V Device: Any V		Search Q K << 1 /2 >>>
ID	Severity	Time	Source	Information
1	Notice	16:21:30	192.168.100.151	Apr 23 16:18:28 root: ntpscript log periodic
2	Notice	16:09:48	192.168.100.151	Apr 23 16:06:46 root: ntpscript log periodic
3	Notice	14:59:42	192.168.100.151	Apr 23 14:56:44 root: ntpscript log periodic
4	Notice	13:48:53	192.168.100.151	Apr 23 13:46:00 root: ntpscript log periodic
5	Notice	12:48:48	192,168,100,151	Apr 23 12:45:59 root: ntpscript log periodic
6	Notice	12:37:46	192.168.100.151	Apr 23 12:34:58 root: ntpscript log periodic
7	Notice	11.37:41	192.168.100.151	Apr 23 11:34:57 root: ntpscript log periodic
8	Notice	11:25:32	192.168.100.151	Apr 23 11:22:49 root: ntpscript log periodic
9	Notice	10:15:25	192.168.100.151	Apr 23 10:12:46 root: ntpscript log periodic
10	Informational	09:08:29	192.168.100.10 (GS-6320-24UP2T2XV, L3 Managed PoE Switch, v1.440b200909)	2021-04-23 Fri 09:05:53+06:00 [GS-6320-24UP2T2XV] LINK UPDOWN: Interface GigabilEthernet 1/12, changed state to up.





[System Menu – Maintenance]

Siniet Al-Control		
+ + C 0 +	Not secure Helps://192.168.1.100.0000	
PLANET	3 0 2 After Classes Grants	0 4 2 0 0 × · 0 · 0
ione > Maintenanca > Spin	m Upgrada	
Canadian	v1.0x100905	

[System Upgrade]

- System Upgrade: On this page, you can upgrade the system to the latest version with new patch.
- Click "Choose File" to designate the system patch file for upgrade. Then, click the upgrade icon at the upper-right corner to start the system upgrade.
- > Please regularly check PLANET official website for the system upgrade file.

*Remote login must be used for the NMS-1000V to do firmware upgrade.





- Backup/Restore: On this page, you can back up and restore the system profiles with the system file (*.tar.gz.enc).
- > Click "backup" to start backing up the system profiles file in HDD or USB.
 - Use the "Choose File" button to choose the right system profiles file and click "restore" to start restoring the system.
- > Please use the system default file name to restore system, or it may fail.



😢 오 🐽 🏦 🤇	Backup / Restore Factory Default System Setting System Upgrade	System manua	Setting: I or selec
	28 13 0 Device(s) Client(s) Group(s)		• · F ·
nome > maintenance > sy.	Auto Logout Time Manual 5 hour	Auto Logout Time 🔄 Manual	6 hour *
[Auto Logout ⁻	Time]		3 minutes 5 minutes 10 minutes 15 minutes 20 minutes 26 minutes 36 minutes 36 minutes 40 minutes 40 minutes 1 hour 2 hour 3 hour

Click "System Setting" to set up Logout Time for tion tree.

心.





[System Menu – Maintenance]

System Setting: Click "System Setting" to adjust the Brightness of touch screen.

Auto Logout Time	Manual 1 hour	*			
Brightness Adjust		-0	3	65	

[Brightness Adjust]





[System Menu – Factory Default]

Factory Default: Click "Factory Default" to reset the system to factory default. Once clicked, the warning window will prompt you to reset system to default.

Smart AP Control	× +		- 0 X						
< → C ☆ ▲	Not secure https://192.168.1.100:8888		옥 ☆ 총 :						
SHART AP CONTROL	3 0 2 AP(s) Client(s) Group(s)	е т 🖲 🔶 .	⊕• / • ⊖• ⊡•						
Home > Factory Default									
	Factory Delault								
Are you sure you want to react the configuration to Factory Debadt?									
	The default configuration here doesn't involve IP address. You can reset configuration included IP by means of pushing the reset button on the machine								
	100]							

[Factory Default Warning]



SYSTEM MENU - EXIT



System Menu – Exit



es press	
	December 2 Control of

- > Exit: On this page, you can log out, reboot, or shut down the system.
- > Logout: Click "Logout" to log out the system.
- Once clicked, the login window will prompt you to re-log in the system.



System Menu – Exit

\odot	0	dh	-	0	φ.	• · * ·	0.
						Logout	
					_	Reboot	
à Ar	ply	8 (8512)	٩		Shutdown men by comexi	ч

[System Menu – Reboot]

- > Logout: On this page, you can log out, reboot, or shut down the system.
- > **Reboot:** Click "Reboot" to restart the system.
- > Shutdown: Click "Shutdown" to close the system and shut down the MV.
- Once clicked, the warning window will prompt you to reboot or shut down the system.

Home > System Reb	oot	
	Are you sure you want to perform a Restart?	
	Rebot	
	REDUCT	
[Reboot \	Warning	



Using VM to Shut Down the System

- > Do Not select "Power Off" to shut down the VM; otherwise, it may cause the system to be abnormal at the next restart.
- > Please select the "ACPI Shutdown" to close the VM.







APPENDIX



VM Main Command Introduction

🜠 UNI-NMS-Lite [Running] - Oracle VM VirtualBox	_		×
File Machine View Input Devices Help			
Password: Last login: Fri Apr 23 15:11:06 CST 2021 on tty1 Welcome to Ubuntu 16.04.7 LTS (GNU/Linux 4.4.0-201-generic i686)			
* Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://ubuntu.com/advantage			
1) View IP Status 4) Factory Default 7) Shutdown 2) Ping 5) Logout 8) System Information 3) Restart Network 6) Reboot			
Command 1. : Show UNI-NMS-LITE IP. Sateway: 192.168.1.139			
Please enter your choice: 2 Please input IP Address: 192.168.1.139 PING 192.168.1.139 (192.168.1.139) 56(84) bytes of data. 64 bytes from 192.168.1.139: icmp_seq=1 ttl=64 time=0.019 ms 64 bytes from 192.168.1.139: icmp_seq=2 ttl=64 time=0.045 ms 64 bytes from 192.168.1.139: icmp_seq=3 ttl=64 time=0.025 ms	: Test to pi ss in the sa nent .	ng me	
192.168.1.139 ping statistics 3 packets transmitted, 3 received, 0% packet loss, time 1998ms rtt min/aug/max/mdev = 0.019/0.029/0.045/0.012 ms Please enter your choice: 3 Restart network will take a few seconds Command 3.: Restart network .			
Network restart finished. Please enter your choice: 8 Firnware Version: v1.0b210305 MAC Address: v8:00:27:5d:dc:71 Command 8. : Show NMS system FW versio	n and MAC		
Please enter your choice: 4 [WARRING] All the configuration will lose. System will reboot at the end of for IP Address: 192.168.1.100 Do you wish to run factory default? [N/y] Command 4.: Reset database.	actory defau	ılt. De NG	efault
0 P 🖉		💽 Righ	t Ctrl

www.planet.com.tw



THANK YOU