# 1. Package Contents

Thank you for purchasing PLANET Universal Network Management Controller. The description of the model is shown below:

NMS-500 Enterprise-class Universal Network Management Controller

"NMS-500 Controller" is used as an alternative name in this Quick Installation Guide.

Package Contents:

- The NMS-500 Controller x 1
- Quick Installation Guide x 1
- RS232 to RJ45 Console Cable x 1
- $\blacksquare$  Adapter with Power Cord x 1
- UDP Cable x 1
- Round Gasket x 4

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



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### 4. Entering into the Web Management

Default IP Address: **192.168.1.100** Default Management Port: **8888** Default Username: **admin** Default Password: **admin** 

Launch the Web browser (Google Chrome with seamless mode 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 on to the system.

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



After logging on, connect the NMS-500 Controller to the managed network to centrally control PLANET managed devices.

## 3. Wired Network Configuration

A computer with wired Ethernet connection is required for the firsttime configuration of the **NMS-500 Controller**.

| NMS-500                  |                |  |
|--------------------------|----------------|--|
|                          | RJ45/UTP Cable |  |
| IP Address:192.168.1.100 |                | PC / Workstation with<br>Web Browser 192.168.1.x |

- 1. Go to "Control Panel-> Network and Sharing Center-> Change Adapter Settings".
- 2. Double-click "Local Area Connection".
- 3. Select "Internet Protocol version 4 (TCP/IPv4)" and click "Properties".
- 4. Select "Use the following IP address" and then click the "OK" button twice to save the configuration. For example, the default IP address of the NMS-500 Controller is 192.168.1.100, then the manager PC should be set to 192.168.1.x (where x is a number between 1 and 254, except 100), and the default subnet mask is 255.255.255.0.



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# 5. Deployed Devices Monitored via NMS-500 Controller

The NMS-500 incorporated in a workstation or PC can monitor all the deployed wired or wireless PoE industrial–grade network devices, 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 device from the **"Standalone device"** mode to the **"Managed device"** mode.

**Step 1:** Connect the devices, NMS-500 Controller and your computer to the same network.

Managed AP



IP Camera

Step 2: Switch: Log in to the Switch's Web User Interface and enable the SNMP and LLDP function.

AP: Log in to the AP's Web User Interface to configure the AP to **"Managed AP"**. In support of **SNMP** AP, enable the SNMP function.

IP Cam: The **ONVIF** function is enabled by default.





Quick Installation Guide

# www.PLANET.com.tw

Enterprise-class Universal Network Management Controller

#### PLANET Technology Corp.

10F., No. 96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan

Warning: This device is compliant with Class A of CISPR 32. In a residential environment this device may cause radio interference. 2011-N10010-000



Step 3: From the management UI of the NMS-500 Controller, go to the "Domain" page to select "Discovery" and "Search" to locate the managed devices. To add a new device to the device list, select it in the check box and then "Apply".

Then, you can go to the **"Device List"** page to configure the device by using hyperlink to log in to the device web page.

| 9   |                       | O<br>Device(s) | Client(s) Gro  | <b>)</b><br>up(s)     |               |             |  | ⊗ <b>Q</b> _4        | h ≜ ¢ · ⊕ · ≁ ·  | о.            | ტ.    |
|-----|-----------------------|----------------|----------------|-----------------------|---------------|-------------|--|----------------------|--|---------------|-------|
|     |                       | Disc           | wary Topolo    | gy View               |               |             |  | Sean                 | ch Apply Filter by Model                                   | MAC, IP       | Q     |
|     | Device List 🔊         | Num            | MAC Addres     | is Device Type        | Model No.     |             | Version                                      | Device IP            | Device Description   |               |       |
| Sea | IP Device Description | 1              | a8.17.s0.48.10 | 1.98 Wireless         | WNAP-C3220E   | WN<br>Build | AP-C3220E-AP-<br>FCC-V1.0-<br>20180813133317 | <u>192.168.1.201</u> |  |               |       |
|     |                       | 2              | a8.17:e0:4c:21 | sa9 Router            | WGR-500-4P    | vt          | .3411b191014                                 | <u>192.168.1.1</u>   | PLANET, WGR 500-4P, Industrial<br>PoE Router, v1.3411b1910 | Gigabit<br>14 | •     |
|     |                       | 3              | 00.30.4163.5   | 4.5c N/A              | GSW-2404SF    | W           | er2.060801036                                | 192.168.0.58         | GSW-2404SF   |               |       |
|     |                       | 4              | 00.30.4194.0   | 5:05 N/A              | WGSW-28040    |             | /1.25130315                                  | 10.1.1.220           | Default Location   |               |       |
|     |                       | 5              | 00.30.4E66.5   | 3.71 N/A              | WGSD-10020H   |             | 3.340160622                                  | 192.168.0.104        | PLANET WGSD-10020HP Mana                                   | ged Savi      | Β.    |
|     |                       | Ever           | t Sysleg       | <b>« 2019-10-23</b> ) | >             |             |  | 50                   | inch Q IK « 1  | /1 3          | >> >1 |
|     |                       | Ð              |                | Time                  |               |             | Davice Type                                  |                      | Information  |               |       |
|     |                       | 1              | System         | 08:35:20              | 192.168.1.100 | undefined   | undefined                                    |                      | 'bool' object is not iterable                              |               |       |
|     |                       | 2              | System         | 08:35:19              | 192.168.1.100 | undefined   | undefined                                    |                      | 'boof object is not iterable                               |               |       |
|     |                       | 3              | System         | 08:34:44              | 192.168.1.100 | Start       | undefined                                    | Age                  | vi 192.168.1.100 00.0d.48.66.7e.db                         |               |       |

Figure 1

| 1 | Universal N                                 | 15   | Device(s)                            | Client(s) Geo  | sup(s)  |   |  |   |  | 2 Q  |           |
|---|---|--|--------------------------------------|--|---|---|--|---|--|--|-----------|
|   |   |  | Disco                                | very Topok   | ogy View  |   |  |   | Search   | Apply Filter by Model, MAC   | ), IP   ( |
|   | Device                                      | ua 🔊   | Num.                                 | MAC AGON   | ss Device Ty  | ge Nodel No.  |  | Version   | Device IP  | Device Description   | 2         |
| s | learch:                                     |  | 1                                    | a8.f7:e0.81.9  | 6.c1 N/A  | WGR-500-4P  | V v1   | .3411b191014  | <u>192.168.1.1</u>   | Industrial Gigabit PoE Router  | R         |
| ľ | P   | Device Description   |                                      |  |   |   |  |   |  |  | _         |
|   | 192.168.1.1                                 | PLANET, WGR-500<br>4P, Industrial Gigabit<br>Pol: Router,                                    |                                      |  |   |   |  |   |  |  |           |
|   |   | v1.34116191014   |                                      |  |   |   |  |   |  |  |           |
|   | 192.168.0.58                                | 08W-2404SF   |                                      |  |   |   |  |   |  |  |           |
|   | 192.168.0.58                                | GSW-2404SF<br>Default Location   |                                      |  |   |   |  |   |  |  |           |
|   | 192.168.0.58<br>10.1.1.220<br>192.168.0.104 | V1.3411b191014<br>GSW-2404SF<br>Default Location<br>PLANET WGSD-<br>10020HP Managed          | Even                                 | Sysleg   | <b>«</b> 2015-10-23   | s >>  |  |   | Search   | Q  < << 1 )5   | >>        |
|   | 192.168.0.58<br>10.1.1.220<br>192.160.0.104 | V1.34116191014<br>GSW-2404SF<br>Default Location<br>PLANET WGSD-<br>100201/IP Managed<br>Sei | Even                                 | Synlag<br>Type   | 2019-10-23 Tms  | Source  | Status   | Device Type   | Search   | Q, IK (K 1)/5  | »         |
|   | 192.168.0.58<br>10.1.1.220<br>192.160.0.104 | V1.34116191014<br>GSW-2404SF<br>Default Location<br>PLANET WGSD-<br>10020HP Managed<br>Sei   | Even<br>ID<br>1                      | Systeg<br>Type<br>System   | C 2019-10-23  | 8 >>><br>5curce<br>192.168.1.100  | Status<br>Cornect                                  | Device Type<br>Wireless                             | Search<br>WNAP-C1220   | Q  < << 1 /5<br>Information  | »         |
|   | 192.168.0.58<br>10.1.1.220<br>192.168.0.104 | V1.34116191014<br>GSW-2404SF<br>Default Location<br>PLANET WGSD-<br>10020HP Managed<br>Swi   | Even<br>ID<br>1<br>2                 | System<br>System   | C 2019-10-23<br>Tem<br>09:42:08<br>09:42:01   | Source<br>192.168.1.100<br>192.168.1.100  | Status<br>Connect<br>Connect                       | Device Type<br>Wireless<br>N/A                      | Search<br>WNAP-C3220<br>WGSD-10020H                                    | Q 16 cc 1 5<br>Information<br>IE 192168 1.201 a8:07 of 48:93 98<br>IP 192.168.0.104 30:30.456:56.71  | *         |
|   | 192.168.0.58<br>10.1.1.220<br>192.160.0.104 | VI.34TIb199014<br>OSW-2464SF<br>Default Location<br>PLANET WGSD-<br>10629HP Managed<br>Sei   | Even<br>ID<br>1<br>2<br>3            | System<br>System<br>System                                       | 2019-10-22<br>Trea<br>09-42-08<br>09-42-01<br>09-42-01  | Source<br>192.168.1.100<br>192.168.1.100<br>192.168.1.100                                     | Status<br>Connect<br>Connect                       | Device Type<br>Wireless<br>N/A<br>N/A               | Search<br>WNAP-C3220<br>WGSD-10020F<br>VIP-1010P                       | IC         IC         I         IS           1050mm/k00         1201 a8/17 w0 48/09 98         1201 a8/17 w0 48/09 98         199 100 00 104 46/00 w1 b6/06 86           10 19 10 10 00 104 46/00 w1 b6/06 38         100 00 00 00 00 00 00 00 00 00 00 00 00  | *         |
|   | 192.168.0.98<br>10.1.1.220<br>192.160.0.104 | VI.34TIb199014<br>OSW-2464SF<br>Default Location<br>PLANET WOSD-<br>10620HP Managed<br>Sel   | Even<br>ID<br>1<br>2<br>3<br>4       | System<br>System<br>System<br>System<br>System                   | 2019-10-23           Trest           09:42:08           09:42:01           09:42:01           09:42:01                                      | 5 >>><br>192.168.1.105<br>192.168.1.105<br>192.168.1.105<br>192.168.1.105                     | Status<br>Connect<br>Connect<br>Connect            | Device Type<br>Wireless<br>N/A<br>N/A<br>N/A        | Search<br>WNAP-C3220<br>WGSD-10020F<br>WP-1010P<br>WP-1010P            | Q         K         %         5           Istamation         1201168         1201188         7040         889.98           IP 192; 1061         1201186         1201186         120118         17101         10175         120118         17101         10175         120118         12011 | *         |
|   | 192.168.0.98<br>10.1.1.220<br>192.168.0.104 | VI.34TIb199014<br>GSW-2404SF<br>Default Location<br>PF.ANET WGSD-<br>19020HP Managed<br>Sei  | Event<br>10<br>1<br>2<br>3<br>4<br>5 | Systeg<br>Type<br>System<br>System<br>System<br>System<br>System | 2019-10-23           Text           09:42:08           09:42:01           09:42:01           09:42:01           09:42:01           09:42:01 | 5 30<br>50000<br>192.168.1100<br>192.168.1100<br>192.168.1100<br>192.168.1100<br>192.168.1100 | Status<br>Connect<br>Connect<br>Connect<br>Connect | Device Type<br>Wireless<br>N/A<br>N/A<br>N/A<br>N/A | Search<br>WKAP-C3220<br>WGSD-10120<br>WP-1018P<br>WP-1018P<br>WP-1018P | Q         IC         C         1         5   | »         |

Figure 2

For more information on the configuration of **Managed Devices** by using **PLANET NMS-500 Controller**, refer to the user manual of the NMS-500 Controller.

## **Further Information:**

The above steps introduce the simple installations and configurations of the NMS-500 Controller. For further configurations of PLANET UNI-NMS, please refer to the user manual, which can be downloaded from the website.

https://www.planet.com.tw/en/support/downloads?method=keyword &keyword=NMS-500&view=3#list



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