

## Wireless AP Controller Software



\*The software is free to download and not for sale.

### *AP Management Got Easier and More Cost-effective*

PLANET Smart AP Control is a free and easy-to-use software running on virtual machine which eliminates the OS limitation. All you have to do is configure the correct IP subnet and log in by using the web browser through the secure SSL protocol, and you'll be able to manage multiple wireless access points without accessing them one by one, thus making configuration simpler and faster. For those who already have PoE equipment and just want a basic management utility and managed AP series rather than buying the expensive hardware controller and AP license, PLANET Smart AP Control is beyond doubt the best and cost-effective choice.

### Product Features

- Dashboard: Provides at-a-glance view of system and wireless network status
- Control: Simplifies multi-AP provisioning through single UI
- Floor Map: Locates actual devices onto map to reflect real signal coverage
- Analysis: Easy to monitor the traffic statistics of APs and clients by real-time data or charts
- Cost: Absolutely free, no additional hardware controller, annual subscriptions, or AP license fees is required
- Flexibility: Operating on virtualization enables supporting across different platforms
- Scalability: Supports 10 floor maps, 32 profiles, 32 AP groups, 256 managed APs and 5000 concurrent users



The key features at a glance:

- AP Discovery: To discover managed APs available and allow grouping to accelerate APs management.
- Profile Creation: Capable of defining multiple profiles before applying to APs depending on specific properties.
- 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.
- Maximum Scalability: Up to 10 Floor Maps, 32 AP Groups, 32 Profiles, 256 Managed APs and 5000 Clients



The Smart AP Control currently supported managed AP series includes: WNAP-W2201A, WNAP-C3220A, WDAP-C7200AC, and WDAP-W7200AC

*Watch Over Wireless Network within Minutes*

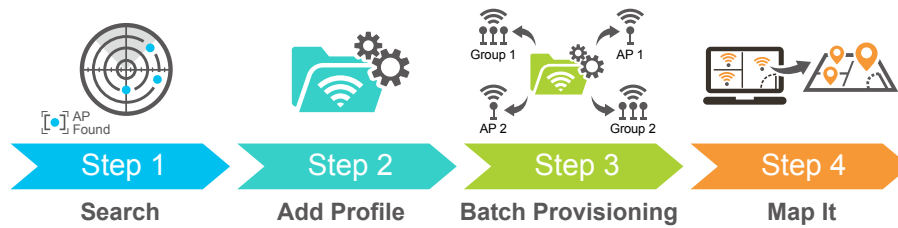
The dashboard presents a portal-like view, providing at-a-glance and efficient summary for your wireless management network. It combines valuable wireless network information to let anybody get data-driven graphical charts. The dashboard retrieves the real-time visualizations including the system usage, wireless channel distribution, AP loading of Top 3 and active clients traffic status which enables IT engineers quickly drill down into specific information.



*Four Steps to Manage AP Cluster with Ease*

The Smart AP Control enhances user experience by providing more user-friendly Web GUI and obvious step-by-step guidance on each related function. Unlike other third-party software, it reduces training time and allows even non-technical users to be able to set up wireless network within minutes.

## Simplified Cluster Management with 4 Steps



### Optimizing Wi-Fi Deployment with Floor Maps

Importing your floor maps and locating each AP or AP group according to the field deployment can save your time and cost of on-site support and monitoring. The AP status represented in real time and its signal heat map is capable of reflecting the actual coverage and helps the administrator to fine-tune the overlapping of the adjacent APs anytime to optimize the wireless network performance.



### Real-time Monitoring to Speed up Network Analysis

The Smart AP Control collects all the traffic statistics of the managed APs and displays both graphical and dynamic data information via graphs, charts and tables, reporting on a significant overview of your wireless network to make the daily monitoring more efficient.



### Browser-based Control on VM Eliminates Limitation of OS

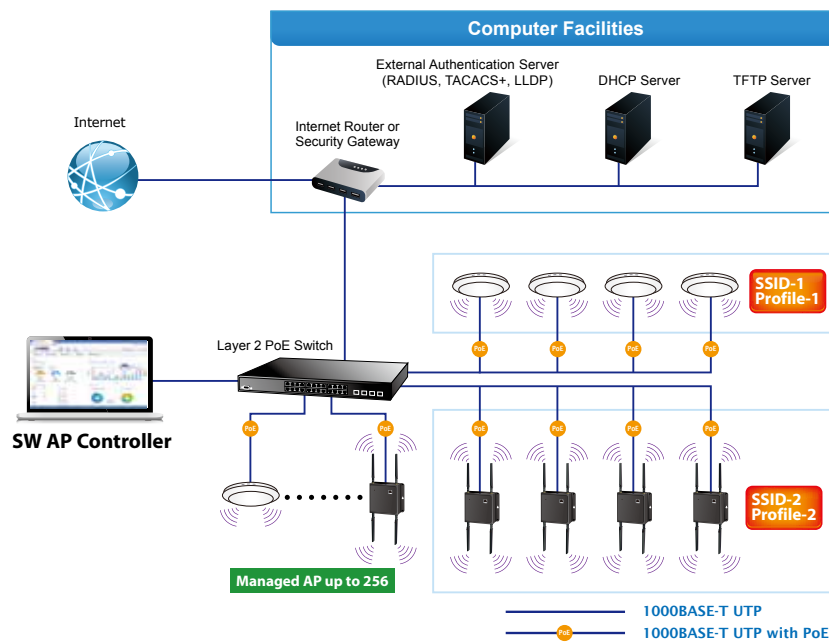
Designed to provide more flexibility, the Smart AP Control utilizes the Oracle virtual box technology to enable to import software image under different OS platforms, capable of operating from anywhere via web browser and network adapter that are able to access managed APs on a DHCP-enabled network, thus controlling multiple APs through single PC, laptop or tablet which eliminates the hardware limitation of general hardware controllers. For better performance and more scalability, users just need to upgrade the personal equipment without replacing the original hardware controller. PLANET Smart AP Control is a value-added software controller which makes your wireless central management solution more efficient without any hardware installation and extra expensive budget.

## Applications

### Economical AP Central Management Solution for SMBs

PLANET Smart AP Control helps service providers and IT managers control all wireless APs at the same time and enables administrators to effectively manage up to 256 managed wireless access points or 32 AP groups simultaneously without purchasing any AP license, hardware controller and expensive annual subscription fee.

The administrator can automatically discover and configure wireless profiles, batch provisioning/firmware upgrade, customize Wi-Fi planning against floor maps, and monitor all managed APs through single web-based interface. It allows operating across different platforms through virtualization software. Such design avoids the need to configure the wireless APs one by one and provides more profit to SMB users.



AP Management Solutions Comparison:



| AP Central Management Solution         | WAPC Hardware Controller Series    | Smart AP Control |
|--|------------------------------------|------------------|
| AP Discovery, Status Monitoring        | ■                                  | ■                |
| AP Control, Cluster Management         | ■                                  | ■                |
| RF Profile Creating, Bulk Provisioning | ■                                  | ■                |
| Bulk Firmware Upgrade                  | ■                                  | ■                |
| Floor Plan/Signal Heat Map View        | ■                                  | ■                |
| Built-in DHCP Server                   | ■                                  | □                |
| L2+/L4 IP Management                   | ■                                  | □                |
| PoE Schedule, Alive Check              | ■                                  | □                |
| Maximum Managed APs                    | WAPC-1232HP: 32<br>WAPC-2864HP: 64 | 256              |
| AP License Fee                         | \$0                                | \$0              |
| Annual Subscription Fee                | \$0                                | \$0              |
| Total Cost                             | Controller + Managed AP            | Managed AP       |

## Specifications

| Wireless AP Management Features (with PLANET managed AP series) |  |
|---|--|
| Maximum Managed APs   | 256  |
| Maximum AP Groups   | 32   |
| Maximum APs per AP Group  | Allows all 256 APs as one group, limited to the same model   |
| Maximum SSID Profiles   | 32   |
| Maximum Radio Profiles  | 32   |
| Maximum Concurrent Clients                                      | 5000   |
| Maximum Floor Maps  | 10   |
| Compatible Access Points  | <ul style="list-style-type: none"> <li>– WDAP-W7200AC</li> <li>– WDAP-C7200AC</li> <li>– WNAP-C3220A</li> <li>– WNAP-W2201A</li> </ul>   |
| Centralized AP Management                                       | <ul style="list-style-type: none"> <li>– AP auto discovery (subnet-based discovery)</li> <li>– AP auto IP assignment</li> <li>– AP group management (bulk provision, upgrade, reboot, LED control)</li> <li>– AP provisioning</li> <li>– AP SSID, radio configuration</li> <li>– AP LED control</li> <li>– AP bulk firmware upgrade</li> <li>– Remote AP power reboot</li> <li>– Floor map view</li> <li>– Floor map import, custom map export*</li> <li>– Real-time AP signal coverage display</li> <li>– Real-time AP and wireless client status monitoring</li> <li>– Real-time graphical statistics view</li> <li>– Real-time wireless channel distribution</li> <li>– Rogue AP detection*</li> <li>– Wireless MAC black list*</li> <li>– Ban clients per AP*</li> <li>– Dashboard view</li> </ul> |
| Wireless Configurable Features                                  |  |
| Encryption Type   | 64/128-bit WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, 802.1x Authentication  |
| Wireless Security   | Enable/Disable SSID Broadcast<br>AP Isolation  |
| Multiple SSIDs per Frequency Band                               | Up to 5  |
| RF Control  | Output power<br>Auto channel<br>Traffic shaping per frequency band<br>IAPP L2 roaming  |
| System Management Features                                      |  |
| Management Interface  | Web-based user interface   |
| System Management   | Management IP/port<br>Login account modification<br>System upgrade   |
| System Requirements   |  |
| Minimum Hardware Requirements                                   | CPU: Intel Core i3 3.4 GHz dual-core or above<br>RAM: 4 GB minimum<br>HDD: 200 GB (actual requirement is dependent on log size)  |
| OS Supported  | Microsoft Windows 7/8/8.1/10<br>*Mac OS X 10.8/10.9/10.10/10.11<br>Note: supported OS is dependent on virtualization product   |
| Virtualization  | Oracle VirtualBox 5.0 or later   |
| Browser Supported   | Internet Explorer 10 or better*<br>Firefox 34.0 or better*<br>Chrome 31.0 or better<br>Safari 8.0 or better*   |

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

## Ordering Information

|                  |                                 |
|------------------|---------------------------------|
| Smart AP Control | Wireless AP Controller Software |
|------------------|---------------------------------|

Remarks 1: This software is free to download and not for sale.

Remarks 2: Compatible with only PLANET managed AP series.

## Related Products

|              |  |
|--------------|--|
| WDAP-W7200AC | 1200Mbps 11ac Dual Band Wall-mount Wireless Access Point, Gigabit LAN, 802.3at PoE PD    |
| WDAP-C7200AC | 1200Mbps 11ac Dual Band Ceiling-mount Wireless Access Point, Gigabit LAN, 802.3at PoE PD |
| WNAP-C3220A  | 300Mbps 11n Ceiling-mount Wireless Access Point, 802.3af/at PoE PD                       |
| WNAP-W2201A  | 300Mbps 11n In-wall Wireless Access Point, 802.af/at PoE PD, 1 x RJ11                    |

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