CHAPTERS

1. Monitor the Network with the Map
2. View the Statistics of the Network
3. Monitor and Manage the EAPs
4. Monitor and Manage Clients
5. View Clients Statistics During the Specified Period
6. Manage the Rogue APs List
7. View Past Guest Authorization
8. View Logs
9. View Alerts
This guide applies to:
Omada Controller 2.6.0.

With Omada Controller you can monitor the EAP devices and centrally manage your wireless network. This guide includes the following sections:

1. Monitor the Network with the Map
2. View the Statistics of the Network
3. Monitor and Manage the EAPs
4. Monitor and Manage Clients
5. View Clients Statistics during the Specified Period
6. Manage the Rogue APs List
7. View Past Guest Authorization
8. View Logs
9. View Alerts

The following parts detailedly introduces how to monitor and manage your wireless network via Omada Controller:
1 Monitor the Network with the Map

You can upload your local map images and monitor the status and coverage range of each EAP with the map. When you initially launch Omada Controller, a default map is displayed as the following figure shows. Follow the instructions below to add your own map and manage the EAPs via the map.

![Map Image](image)

1.1 Add a Map

Prepare a map image in .jpg, .gif, or .png format. And then follow the steps below to add the map to the Omada Controller.

1. Click **Configure Maps** on the upper right corner of map and click **Add**.

2. Enter the map description, select your map image, and click **Create**.
3. Select your local map from the drop-down list on the upper right corner of map area.

4. Click 
. Draw a line on the map and enter the distance the line represents. Then the Omada Controller will compute and generate the map scale automatically based on your configuration.

5. Drag the EAPs from the Unplaced APs list to the appropriate locations on the map according to their actual locations.
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Monitor the Network with the Map

You can click to reveal additional options:

- Lock the selected EAP in the current location on the map.
- Unlock the selected EAP and you can drag it to another location.
- Display the EAP's details and configure the wireless parameters. Refer to [Configure the EAPs Separately](#).
- Remove the selected EAP back into the Unplaced APs list.

### 1.2 Monitor the EAPs on the Map

Click any of the following options to display EAP Label, Details, and Coverage on the map.

<table>
<thead>
<tr>
<th>Label</th>
<th>Details</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label</td>
<td>Display the EAP’s name. The default name is the MAC address of the EAP.</td>
<td></td>
</tr>
<tr>
<td>Details</td>
<td>Display the EAP’s name, MAC address, IP address, transmitting/receiving channel, number of connected users, and number of connected guests.</td>
<td></td>
</tr>
<tr>
<td>Coverage</td>
<td>Display a visual representation of the wireless range covered by EAPs. The actual signal coverage may be smaller than the visual coverage on the map because the obstacles around the EAPs will weaken the signal.</td>
<td></td>
</tr>
</tbody>
</table>
2 View the Statistics of the Network

Omada Controller collects all statistics of the managed EAPs and displays the statistical information via graphs, pie charts and tables, providing an overview of your wireless network.

2.1 View the Client Distribution on SSID

A visual pie chart shows the client distribution on each SSID. For example, the SSID1 has one client, which occupies 50% of all the clients.

2.2 Have a Quick Look at EAPs and Clients

This tab displays the Most Active AP, the Most Active Clients and the All-Time Top Client. You can click the MAC address of the EAP or the client to see more details.
2.3 View Current Usage-Top EAPs

This tab lists the number of connected clients and the data traffic condition of the ten APs that use the most traffic currently.

<table>
<thead>
<tr>
<th>AP</th>
<th>Clients</th>
<th>%Clients</th>
<th>Traffic (MB)</th>
<th>%Traffic</th>
</tr>
</thead>
<tbody>
<tr>
<td>50-C7-BF-08-BE-00</td>
<td>2</td>
<td>100.0%</td>
<td>4.96</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

Clients: The amount of clients connected to this EAP.

%Clients: The proportion of current connected clients to the Top EAPs’ total client amount.

Traffic (MB): The total amount of data transmitted by this EAP, which equals the sum of the transmission traffic of all the current clients that connect to the AP.

%Traffic: The proportion of the EAP’s current data transmission amount to the Top EAPs’ total transmission amount.

2.4 View Recent Activities

The Recent Activities statistics can be toggled between a view for the past specific 24 hours and one for the past specific 30 days.
The left ordinate axis indicates the traffic and the right one represents the number of the clients. The abscissa axis shows the selected time period. **Traffic** indicates a visual graph of the network traffic during the selected time period. **Client** indicates a visual graph of the number of the connected clients during the selected time period. For example, the statistics information at 15:00 indicates the traffic size and client number from 14:00 to 15:00. In the following figure, at 15 o'clock, the traffic is about 5MB and there is 3 clients connected to the AP.
Monitor and Manage the EAPs

Omada Controller can discover all the EAP devices currently connected to the network and display the information of them on the Access Points page.

3.1 Manage the EAPs in Different Status

According to their connection status, EAPs are divided into three categories: connected, disconnected and pending. You can view the EAPs in different status on different pages:

- **All**: Displays the information of all EAPs in different status.
- **Pending**: Displays the pending EAPs. All the EAPs are in pending status by default when first discovered by Omada Controller, and only after they are adopted and connected, you can manage them. To adopt pending EAPs, refer to Adopt EAPs.
- **Connected**: Displays the connected EAPs. Only connected EAPs can be managed. After you adopt a pending EAP, its status will become provisioning and then connected. A connected EAP will turn into a pending one after you forget it. You can refer to Forget this AP to forget a EAP or click Forget All on the page to forget all the connected EAPs.
- **Disconnected**: Displays the disconnected EAPs. If a connected or pending EAP powers off, it will be disconnected. When a disconnected EAP is reset to factory defaults or forgot, it will turn into a pending one again. You can refer to Forget this AP to forget a EAP or click Forget All on the page to forget all the disconnected EAPs.

3.2 View the Detailed Information of EAPs

You can click Overview, Config or Performance tab to view different detailed information of EAPs.
Monitoring and Managing Wireless Network via Omada Controller

Monitor and Manage the EAPs

<table>
<thead>
<tr>
<th>Overview</th>
<th>Displays the EAP's name/MAC address, IP address, status, model, software version, number of connected clients and download/upload bytes.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Config</td>
<td>Displays the EAP's name/MAC address, IP address, status, model, software version, WLAN Group bounded with the 2G and 5G of the EAP, and radio of the 2G and 5G.</td>
</tr>
<tr>
<td>Performance</td>
<td>Displays the EAP's name/MAC address, IP address, status, model, software version, number of connected 2G clients and 5G clients, TX(Downloaded Traffic), RX(Uploaded Traffic), TX 2G and TX 5G.</td>
</tr>
</tbody>
</table>

3.3 Manage the EAPs in the Action Column

You can execute the corresponding operation to the EAP by clicking an icon in the Action column.

- ![Locate the EAP in the map.](image)
- ![Reboot the EAP.](image)
- ![Upgrade the EAP.](image)

Click **Browse** to locate and choose the upgrade file in your computer, then click **Upgrade** to install the latest EAP firmware. The Status will appear as **Upgrading** until the process is complete and the EAP reconnects to the Omada Controller.

- ![Move the EAP to a site.](image)

Select a site that has been created and click **Apply**. You can group all the EAPs by this way and centrally manage them on each site.
Configure the EAP.

For detailed instructions about how to configure the EAP on this window, refer to *Configure the EAP Separately*.

- Only managed EAPs can be rebooted or upgraded.
- If you want to log in to the EAP's own management interface, you need to forget the EAP first.
4 Monitor and Manage Clients

The Clients tab displays the clients connected to the EAP network.

4.1 View the Current Information of Clients

The clients are divided into two types: User and Guest. Users are the clients connected to the EAP wireless network without the Portal Authentication. Guests are the clients connected to the EAP wireless network with the Portal Authentication.

You can click the following tabs to respectively view the detailed information of users and guests.

- All Clients: The page displays the information of all clients including users and guests.
- Users: The page displays the information of Users.
- Guests: The page displays the information of Guests.

4.2 Manage Clients in the Action Column

You can execute the corresponding operation to the EAP by clicking an icon in the Action column:

- Reconnect the client to the network.
- Restrict the client's access to the network.
Configure the rate limit of the client and view the connection history.

Enter the download limit and upload limit and click **Apply**.

If the client is a Guest, you can click this icon to cancel the authorization for it.
5 View Clients Statistics During the Specified Period

The Clients Statistics page under the Insight tab displays the information of clients that have connected to the EAPs network during a specified period.

5.1 Select a Specified Period

Select a period from the drop-down menu. Then the page will display clients that have connected to the EAPs network during the period.

5.2 View the History Information of Clients

You can click the client’s MAC address to get its connection history and configure the Rate Limit feature for this client. In addition, you can click the following tabs to view the information of different types of clients:

- **All**: The page displays the history information of all the clients.
- **User**: The page displays the history information of Users.
  
  Users are the clients connected to the EAP wireless network without the **Portal Authentication**.

- **Guest**: The page displays the history information of Guests.
  
  Guests are the clients connected to the EAP wireless network with the **Portal Authentication**.
### 5.3 Manage Clients in the Action Column

You can execute the corresponding operation to the EAP in the **Action** column:

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✅</td>
<td>Block the client's access to the network.</td>
</tr>
<tr>
<td>⏭</td>
<td>Resume the client's access.</td>
</tr>
</tbody>
</table>
6 Manage the Rogue APs List

A Rogue AP is an access point that has been installed on a secure network without explicit authorization from a system administrator. The Omada Controller can scan all channels to detect all nearby EAPs. If rogue APs are detected, they will be shown on the **Untrusted Rogue APs** list. Besides, you can move the untrusted rogue APs to the **Trusted Rogue APs** list.

By default, the Rogue AP Detection feature is disabled. To allow your EAP to detect nearby APs, you need to enable this feature for this EAP. You can refer to **Rogue AP Detection**.

6.1 Manage the Untrusted Rogue APs List

The **Untrusted Rogue APs** page displays the detailed information of untrusted rogue APs.

You can execute the corresponding operation to the EAP in the **Action** column:

- ![Move](move.png)
  - Move the untrusted rogue AP to the Trusted Rogue APs list.

- ![Delete](delete.png)
  - Delete this record.

- ![Delete All](delete_all.png)
  - Delete all records.

6.2 Manage the Trusted Rogue APs List

The Trusted Rogue APs page displays the detailed information of trusted rogue APs.
You can execute the corresponding operation to the EAP by clicking an icon in the **Action** column:

- **Move**
  - Move the trusted rogue AP to the Untrusted Rogue APs list.

- **Export**
  - Export and download the current Trusted Rogue APs list and save it on your PC.

- **Import**
  - Import a saved Trusted Rogue APs list. If the MAC address of an AP appears in list, it will not be detected as a rogue AP.

Please follow the steps below:

1. Select **Replace** (replace the current Trusted Rogue APs list with the one you import) or **Merge** (add the APs in the file to the current Trusted Rogue APs list).
2. Click **Browse** to locate the file and choose it.
3. Click **Import** to import the Trusted Rogue APs list.
7 View Past Guest Authorization

The Past Guest Authorization page displays the details about all the clients that accessed the network during a certain time period. You can select a period in the drop-down list.

![Past Guest Authorization Page](image-url)
View Logs

The logs of Omada Controller can effectively record, classify and manage the system information of the managed EAPs, providing powerful support for you to monitor network operation and diagnose malfunctions. The Logs page displays EAP's MAC address, level, occurred time and content.
View Alerts

You can see the status change of your EAPs on the **Unarchived Alerts** page. You can click [ Archive All ](https://www.example.com) to move unarchived alerts to the Archived Alerts page.

As follows, the Archived Alerts page displays the alerts archived by you. You can click [ Delete All ](https://www.example.com) to delete the records.
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