



Simply Better Connections

ATEN Unizon™

Global AV Management Platform
User Manual

About this Manual

This user manual is provided to help you get the most from ATEN Unizon™. It covers all aspects of installation, configuration, and operation. An overview of the information found in the manual is provided below.

Chapter 1, *Introduction* introduces you to ATEN Unizon™. Its benefits, features, installation considerations, and getting started tasks are described.

Chapter 2, *Device Management* provides information on maintaining the device list, applying task by batch, and creating scheduled tasks.

Chapter 3, *Device Monitoring and Control* discusses how to monitor devices via device status information and event logs.

Chapter 4, *Automated Tasks* gives the instruction about how to build the automation workflows.

Chapter 5, *Data Analytics* guides you the analytics service to convert the acquired data into easily discerned charts and generate the chart reports on your managed devices/rooms.


Chapter 6, *Administrator Settings* provides information on user accounts, network settings, notification settings, database settings, and more.

Appendix A provides contact information for ATEN technical support and a list of required information to be provided when you request for technical support.

Note: ATEN regularly updates its product documentation for new features and fixes. For an up-to-date ATEN Unizon™ documentation, visit <http://www.aten.com/global/en/>

Conventions

This manual uses the following conventions:

- Monospaced Indicates text that you should key in.
- [] Indicates keys you should press. For example, [Enter] means to press the **Enter** key. If keys need to be chorded, they appear together in the same bracket with a plus sign between them: [Ctrl+Alt].
1. Numbered lists represent procedures with sequential steps.
- ◆ Bullet lists provide information, but do not involve sequential steps.
- > Indicates selecting the option (on a menu or dialog box, for example), that comes next. For example, Start> Run means to open the *Start* menu, and then select *Run*.
-  Indicates critical information.

Product Information

For information about all ATEN products and how they can help you connect without limits, visit ATEN on the Web or contact an ATEN Authorized Reseller. Visit ATEN on the Web for a list of locations and telephone numbers:

International	http://www.aten.com
North America	http://www.aten-usa.com

User Information

Online Registration

Be sure to register your product at our online support center:

International	http://eservice.aten.com
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Telephone Support

For telephone support, call this number:

International	886-2-8692-6959
China	86-400-810-0-810
Japan	81-3-5615-5811
Korea	82-2-467-6789
North America	1-888-999-ATEN ext 4988 1-949-428-1111

User Notice

All information, documentation, and specifications contained in this manual are subject to change without prior notification by the manufacturer. The manufacturer makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties as to merchantability or fitness for any particular purpose. Any of the manufacturer's software described in this manual is sold or licensed as *is*. Should the programs prove defective following their purchase, the buyer (and not the manufacturer, its distributor, or its dealer), assumes the entire cost of all necessary servicing, repair and any incidental or consequential damages resulting from any defect in the software.

The manufacturer of this system is not responsible for any radio and/or TV interference caused by unauthorized modifications to this device. It is the responsibility of the user to correct such interference.

The manufacturer is not responsible for any damage incurred in the operation of this system if the correct operational voltage setting was not selected prior to operation. PLEASE VERIFY THAT THE VOLTAGE SETTING IS CORRECT BEFORE USE.

Contents

About this Manual	ii
Conventions	iii
Product Information	iv
User Information	iv
Online Registration	iv
Telephone Support	iv
User Notice	v
1. Introduction	
Overview	1
Features	2
Getting Started Tasks	3
Planning the Installation	4
Supported Devices	4
Licensing Policy	4
System Requirements	5
Installing ATEN Unizon™	6
Installing a Trial Version	6
Purchasing and Importing a New License	12
Renewing and Importing a License	13
Resetting the License	14
For a basic or standard license	14
For a trial license	14
The Web Console	15
Supported Web Browsers	15
Login	15
The Main Screen	16
2. Device Management	
Overview	19
The Devices Tab	19
Deployment Tree	21
Device Information Panel	22
Location View	22
Room View	24
Adding or Removing Locations and Rooms	26
Adding Devices to ATEN Unizon™	27
Searching for Locations, Rooms, or Devices	29
Searching Devices by Location, Room, or Device Name	29
Searching Devices by Model Name	30
User Request	31
Adding User Request	31
Submitting / Closing User Request	33

Ad Hoc Tasks	35
Overview	35
Supported Ad Hoc Tasks	35
Executing an Ad Hoc Task	36
Executing an Ad Hoc Task to Devices of the Same Category	36
Executing an Ad Hoc Task to Devices Installed in One Room	37
Creating a Control Function for Controller-managed Devices	40

3. Device Monitoring and Control

Overview	41
Monitoring Device Status	41
Accessing the Device Information Panel	41
Device Category Tabs	41
Deployment Tree	42
Information Filters	42
Parameter Status	43
Accessing Controller Web Console	45
Changing the Monitoring Preferences	46
Centralized Control and Management	47
Embedding Control System Viewers for Centralized Control	47
Setting Up Room Usage Notifications	49
Web Browser	51
infoPlayer Viewer	53
Notifications and Logs	54
Viewing Notification Messages	54
Searching for Past Events	56
By Keywords	56
By Search Filters	56
Configuring Notification/Log Settings	57
Exporting Logs	57

4. Automated Tasks

Overview	59
Automation Page Overview	60
Adding an Automated Task	61
Configuring an Automated Task for Controllers	62
Configuring an Automated Task for Room Booking System	64
Configuring an Automated Task for Other Devices	67
Managing the Existing Tasks	69
Deleting a Task	69
Renaming the Task	70
Copying a Task	71
Enabling / Disabling the Task	71
Editing a Task	72

5. Data Analytics

Overview	73
Dashboard	73
Current Status Cards	74
Analysis	77
Card Management	78
Adding a Card to the Current Status Tab	79
Adding a Card to the Analysis Tab	80
Editing the Existing Cards	84
Removing the Cards	84
Arranging the Cards	85
Report	86
Report Template Management	86
Creating a New Report Template	87
Deleting Report Templates	90
Editing Report Templates	91
Editing the Configuration on Card Tab	91
Report History Management	93
Viewing the Run Report.	93
Removing the Report History	94
Downloading the Report History	95
Data in the Report	96

6. Administrator Settings

Overview	97
User Accounts	98
Adding a User Account	99
Editing a User Account	101
Removing a User Account	102
User Directory	103
Preparation	103
User Management.	103
Creating Users for Room Access	104
Modifying User Settings.	105
Access Groups	106
Understanding Access Groups	106
Creating an Access Group	107
Renaming, Removing, or Duplicating an Access Group	109
Timetable	110
Adding Event	112
Adding One Event	112
Adding Recurring Events	112
Deleting Event	114
General	115
Network	117
SMTP Settings	118
Configuration Backup and Restore	120

Licenses	122
Synchronization	123
Storage Management	124
Notifications and Log Settings	125
About	126
ATEN Unizon™ Utility	127
Configuring the Web HTTPS Port	127
Resetting the Administrator Password	128
Resetting the License	128
Configuring Database Settings	129

Appendix A

Technical Support	131
International	131

Appendix B

Communication Ports	132
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Chapter 1

Introduction

Overview

ATEN Unizon™ is a server-based software for AV/IT professionals to centrally monitor, control, and manage standalone ATEN Video Matrix Switches, ATEN Room Booking System, and ATEN controller-managed devices, including ATEN and third-party devices. It is easily deployed and integrates control of your entire installation zone, no matter how big or widely distributed.

Management and configuration are simplified with the intuitive user interface that allows AV/IT administrators to perform common AV tasks, schedule tasks, and execute tasks by batch using a grouping function. Through the web interface, AV/IT administrators have immediate access to critical information of its managed devices, such as disrupted power supply, fan status, device temperature, and firmware version. When an abnormal event arises, the software will alert the administrators with a notification and log the event for tracking.

ATEN Unizon Timetable enables real-time calendar syncing with RBS panels, and allows users to create / upload events on ATEN Unizon, streamlining the entire process of managing meeting spaces within an organization. User profiles are manageable via the RBS Panel-connected VK401, enabling ATEN Unizon to restrict access rights only to the authorized person. Besides, by integrating with VK control system, ATNE Unizon allows for facilitating conference room automation solutions.

This centralized management software benefits system integrators with intuitive and effective features that enable fast deployment as well as remote monitoring, control, and management, especially for large-scale applications with numerous ATEN Ethernet-based AV solutions across different locations.

Features

- ◆ Centralized device monitoring, control, and management
 - ◆ ATEN Video Matrix Switches, ATEN Room Booking System, and Control System solutions, including the managed third-party devices
 - ◆ Detection of device statuses, such as lamp hour of a projector and connection status for remote troubleshooting and maintenance
 - ◆ Batch device control and firmware upgrades
- ◆ Intuitive user interface designed for large-scale pro AV applications, easy room monitoring and management across multiple locations
 - ◆ 5-level deployment tree
 - ◆ Supports room view and floor view
 - ◆ Configurable users access rights
- ◆ Predefined scenarios for automation and task scheduling
 - ◆ Provide meeting scenarios to choose and triggers actions from controllers
 - ◆ Automatically turn on / off lights, air-con, meeting room devices based on predefined actions
- ◆ Dashboard for current status and analytics
 - ◆ Current status info for real-time troubleshooting
 - ◆ Analytics of past usage records for future optimization
 - ◆ Preset rules for generating regular reports for optimizing device maintenance arrangement
- ◆ User profiles are managed in the Directory, including user name, email, pin code and card numbers etc.
- ◆ Logs device usage, notifications, and emails for and abnormal events for usability analysis and future optimization
- ◆ ATEN Unizon Timetable allows for calendar syncing in real-time with RBS panels to users to create / upload multiple events in one time on ATEN Unizon
- ◆ Supports mainstream web browsers
- ◆ License of different amount of controlled devices can be purchased based on users' need. Control 50 devices at basic license and 500 devices at standard license.

Getting Started Tasks

Below is a recommended procedure to get you started with ATEN Unizon™.

Step	Instructions	Detailed Information
1	Make sure your computer meets the system requirements.	<i>System Requirements</i> , page 5
2	Obtain the installer.	<i>Installing a Trial Version</i> , page 6
3	Do one of the following: <ul style="list-style-type: none"> ◆ Install the trial version of ATEN Unizon™. ◆ Purchase an official license and install the trial version in the meantime. 	<ul style="list-style-type: none"> ◆ <i>Installing a Trial Version</i>, page 6 ◆ <i>Purchasing and Importing a New License</i>, page 12
4	Configure and open the required communication ports.	<i>Appendix B</i> , page 132
5	Log in ATEN Unizon™.	<i>The Web Console</i> , page 15
6	Create a deployment tree that contains locations and rooms.	<i>Adding or Removing Locations and Rooms</i> , page 26
7	Add devices to the device deployment tree.	<i>Adding Devices to ATEN Unizon™</i> , page 27
8	(Optional) Create automated tasks.	<i>Adding an Automated Task</i> , page 61
9	(Optional) Add and configure user accounts.	<i>User Accounts</i> , page 98
10	(Optional) Customize your cards on dashboard.	<i>Dashboard</i> , page 73
11	(Optional) Create the report rules to generate the analytics reports regularly.	<i>Report</i> , page 86

Planning the Installation

Supported Devices

ATEN Unizon™ supports management of the following devices:

- ◆ ATEN and third-party devices managed by ATEN controllers
- ◆ Standalone ATEN Video Matrix Switches
- ◆ ATEN Room Booking System

For a comprehensive list of supported devices, visit the ATEN Unizon™ product page.

Licensing Policy

ATEN Unizon™ requires a license to activate. Choose a suitable license depending on the scale of your project. Refer to the table below for details.

License Type	Max. Number of Managed Devices	Valid Period	Updates Allowed For
Activation Licenses			
Use an activation license to activate ATEN Unizon™.			
Trial License	3	Lifetime	not supported
Basic License	50		1 year
Standard License	500*		1 year
Add-on Device License			
When you have run out of the managed devices capacity for your activation license, purchase one or multiple add-on licenses to expand the allowed devices of your ATEN Unizon™.			
Add-on Device License	10	N/A	N/A
Maintenance License			
Purchase a maintenance license to keep your access to the latest system updates of your activation license.			
Maintenance License	N/A	N/A	1 year / 3 years / lifetime
Add-on Feature License			
Purchase the license to enable particular feature on your ATEN Unizon™.			
Timetable License	N/A	N/A	lifetime

License Type	Max. Number of Managed Devices	Valid Period	Updates Allowed For
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Note: If your project contains more than 500 devices, consult ATEN Technical Support for more information about customizing your license key.

System Requirements

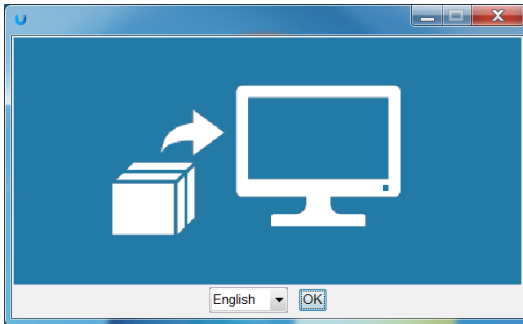
Before installing ATEN Unizon™, ensure that the target computer meets the system requirements.

Hardware Component	Requirements
Processor	3.2 GHz
OS Support	Windows 8 (32/64-bit) or higher
Storage Capacity	10 GB hard disk space available
Memory	8 GB or higher
Web Browser	Internet Explorer v.11 or later Microsoft Edge: v. 79.0.309 or later Mozilla Firefox v.72.0 or later Google Chrome v.80.0 or later

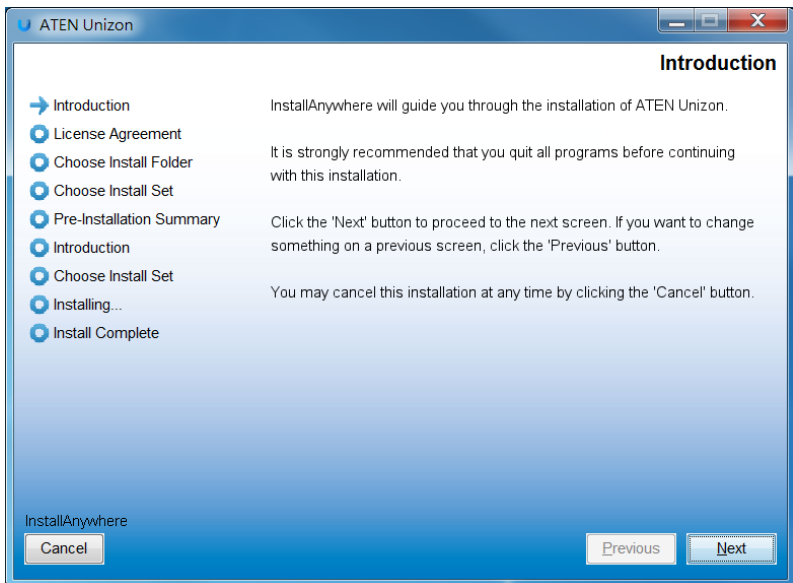
Installing ATEN Unizon™

Installing a Trial Version

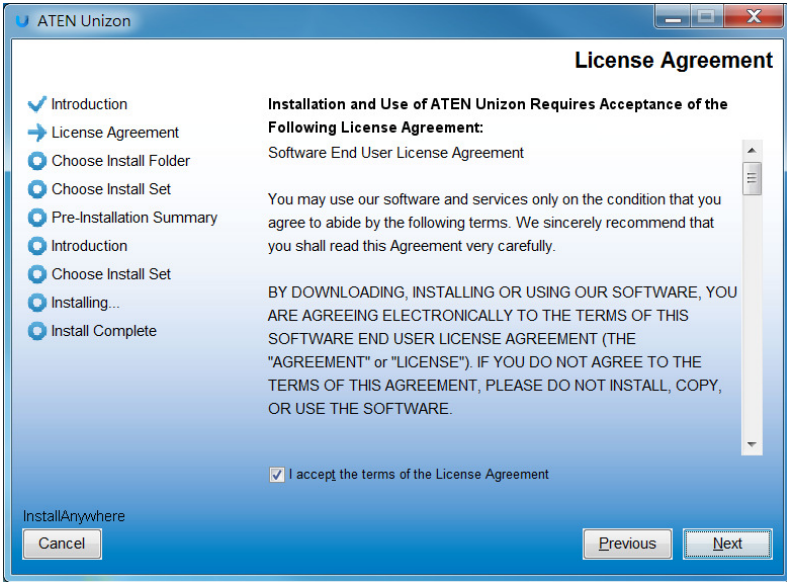
1. Visit the following web page to request for an installer.
<https://www.aten.com/global/en/supportcenter/free-trial/unizon-form-webpage/>
2. Make sure you have installed Microsoft Visual C++ Redistributable for Visual Studio 2013 to the server computer. To download the package, go to <https://www.microsoft.com/en-in/download/details.aspx?id=40784>
3. Execute the installer. Select the interface language and click **OK**.



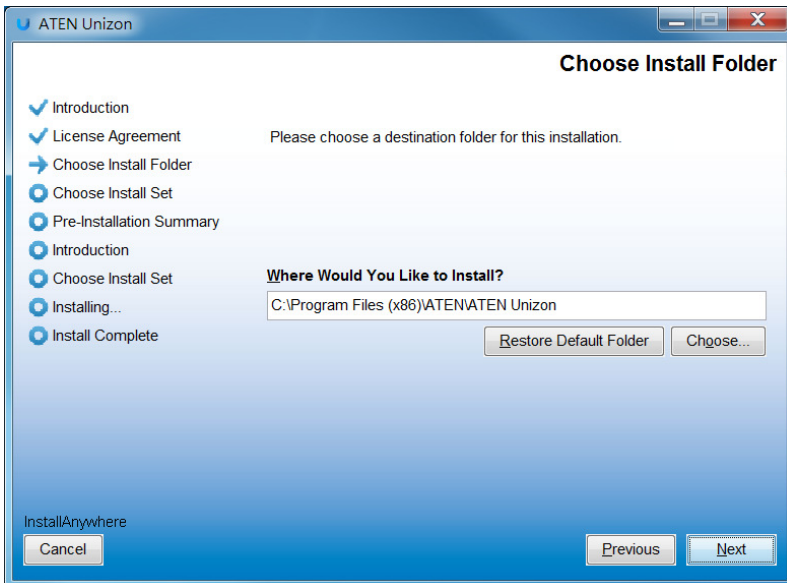
4. Click **Next**.



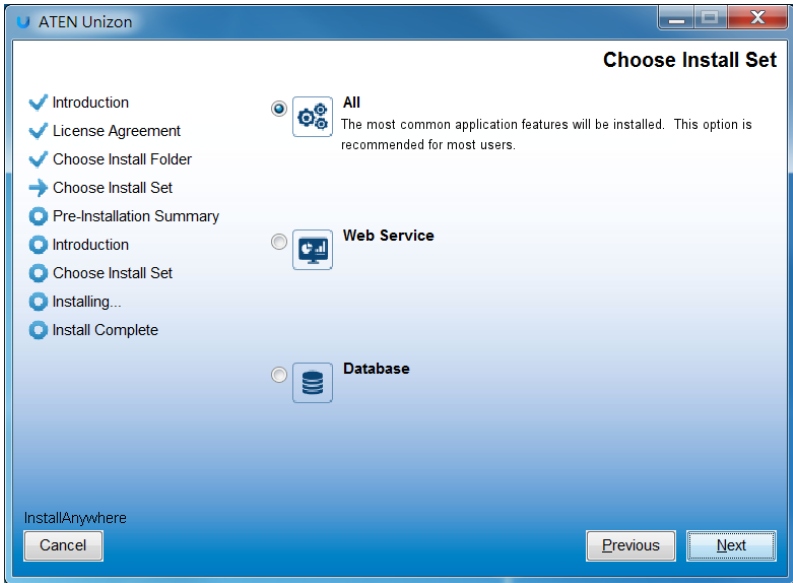
- Read through the license agreement. If you agree with the agreement, click **I accept the terms of the License Agreement**, and then click **Next**.



- Choose a destination folder and then click **Next**.

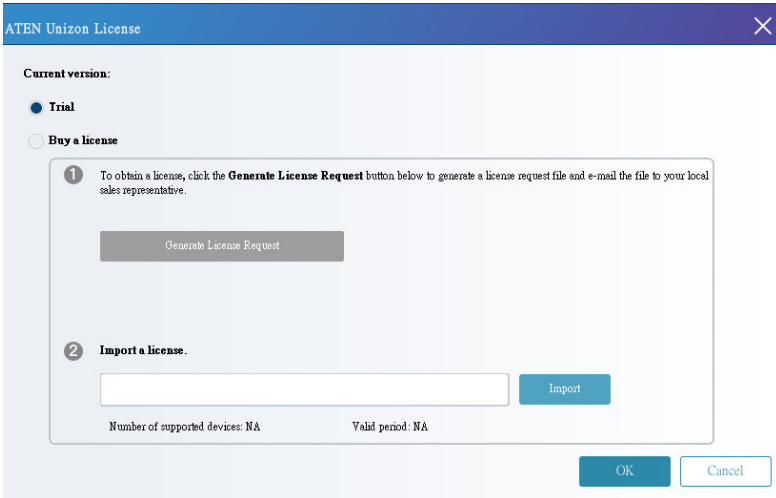


7. Select an install option and click **Next**.



- ◆ **All:** Install the web service and set the database server to the same location with the web service. This option is recommended if you are installing ATEN Unizon™ for the first time or would like to re-install the application.
- ◆ **Web Service:** Install the web console component and set the database server (PostgreSQL) to a different location from the web service.
- ◆ **Database:** Select this option to only set the location for the database server (PostgreSQL).

8. Select your license type.



- ◆ **Trial version:** Select this option to install a trial version. For more information about license keys, see *Licensing Policy*, page 4.
- ◆ **Buy a license**
 - ◆ **Generate License Request:** To purchase or renew a license, click this button to generate an SID file and then provide it to your local sales representative to process your request. For a full procedure of obtaining a new or renewed license, see *Purchasing and Importing a New License*, page 12.
 - ◆ **Import a license:** If you have already obtained your new/renewed license, select this option to the license.

9. Configure the network settings and click **OK**.

ATEN Unizon Configuration

Web Console

HTTPS Port 8760

Database

C:\Users\Public\Documents\ATEN\atenUnizon\Database Browse Port 5430

Username administrator Password ●●●●●●●●●●

OK Cancel

- ◆ **HTTPS Port:** Type in the HTTPS port for ATEN Unizon™'s web interface.
- ◆ Database settings
 - ◆ **Storage location:** Click Browse to specify a storage location for the database.
 - ◆ **Port:** Type a communication port for the database.
 - ◆ **Username and Password:** Type the login credentials for accessing the database.

10. Verify the network settings and click **OK**.

Confirm ATEN Unizon Configuration

HTTPS Port 8760

Database C:\Users\Public\Documents\ATEN\atenUnizon\Database

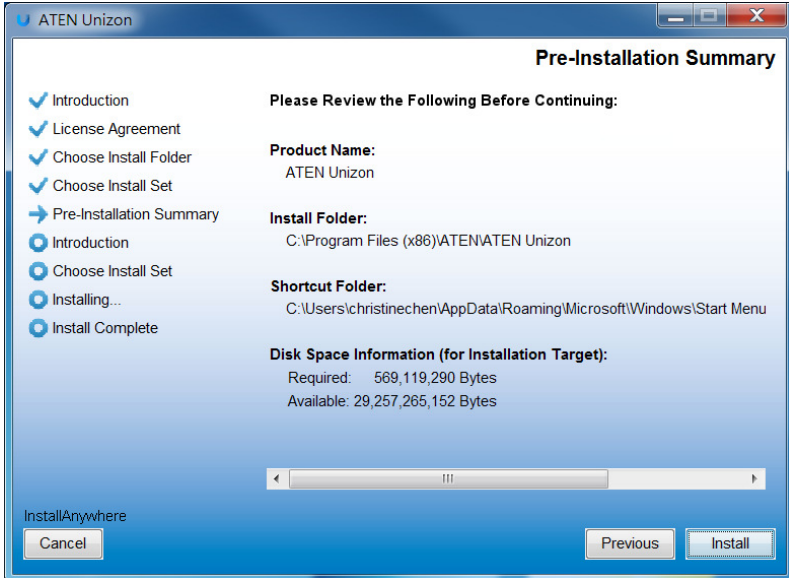
IP Address 127.0.0.1

Port 5430

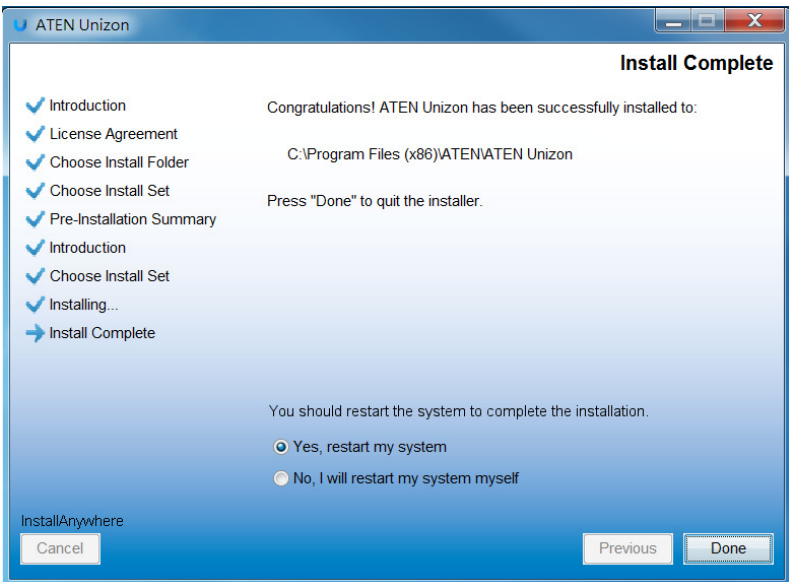
Username administrator

OK Cancel

11. Click **Install**.

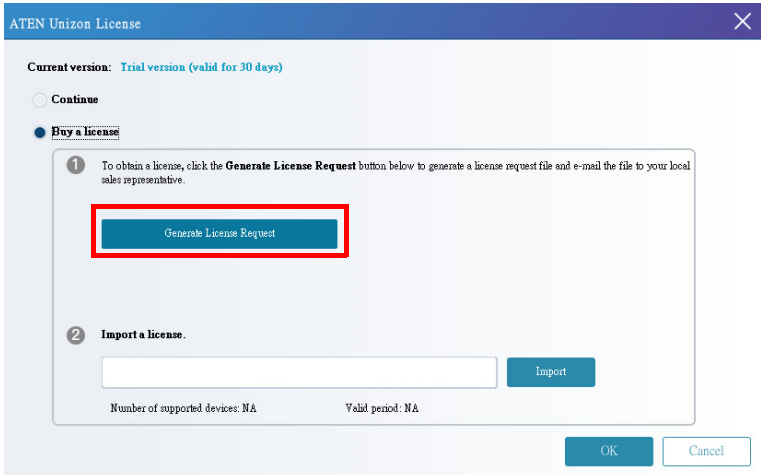


12. When the installation is complete, select **Yes, restart my system** and then click **Done** to restart your computer.

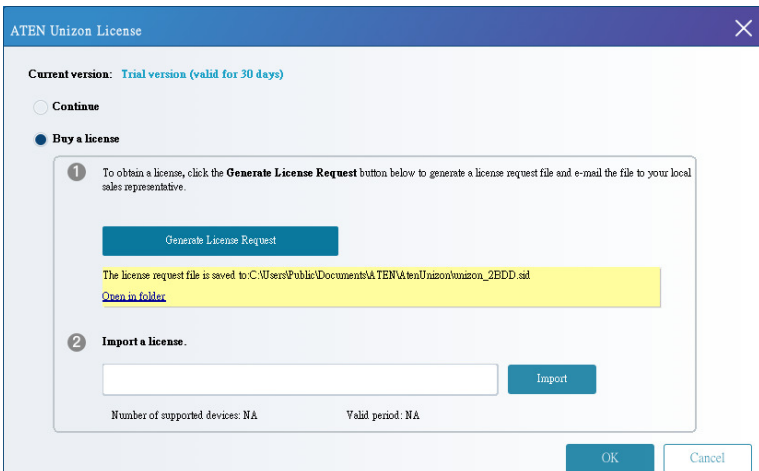


Purchasing and Importing a New License

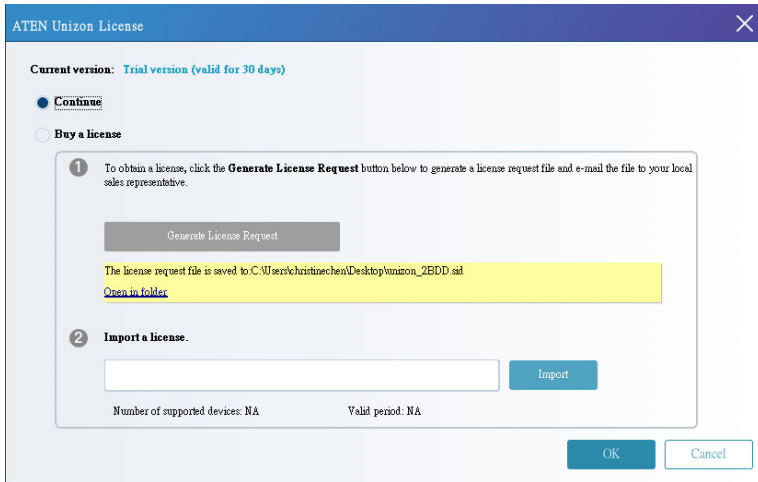
1. Use one of the following methods to generate an SID file.
 - ◆ If you have not installed a trial version, follow the steps below to first generate an SID file from the installer.
 - (a) Visit the following web page to request for an installer.
<https://www.aten.com/global/en/supportcenter/free-trial/unizon-form-webpage/>
 - (b) Run the installer and in the ATEN Unizon License window, select **Buy a license** and click **Generate License Request** to generate an SID file.



- (c) Follow the on-screen instruction to select a location to store the SID file. When the file is generated, its location is indicated.



(d) To install a trial version for the time being, select **Continue** and follow the on-screen instructions to finish the installation.



- ◆ If you have installed a trial version, generate an SID file from the web console.
 - (a) Open the web console and go to **Settings > Licenses**.
 - (b) Click **Export the PC's ID file**.
- 2. Send the generated file to a local sales representative and specify the required license type. For details on license types, see *Licensing Policy*, page 4.
- 3. ATEN processes your request and returns you with a license file.
- 4. Import the license file.
 - a) Open the web console and go to **Settings > Licenses**.
 - b) Click **Upgrade** and follow the on-screen instructions to the license file.

Renewing and Importing a License

1. Generate an SID file from the web console.
 - a) Open the web console and go to **Settings > Licenses**.
 - b) Click **Export the PC's ID file**.
2. Send the generated file to a local sales representative to request for a renewal.

3. ATEN processes your request and returns you with an updated license file.
4. Import the license file.
 - a) Open the web console and go to **Settings > Licenses**.
 - b) Click **Upgrade** and follow the on-screen instructions to the license file.

Resetting the License

ATEN Unizon™ verifies the validity of a license by checking if the hardware of the detected matches the information specified in the license file. If any hardware component of the Unizon™ web server is changed, the license may become invalid. To continue using the service, follow the steps below to resolve the issue.

For a basic or standard license

1. Obtain a temporary, 7-day license.
 - a) In the ATEN Unizon™ server computer, go to **Start > Unizon Utilities**.
 - b) Click **Administrator > Reset License**.
2. Export the ATEN Unizon™ SID file.
 - a) Open the web console and go to **Settings > Licenses**.
 - b) Click **Export the PC's ID file**.
3. Send the generated file to a local sales representative and request for a new license file.
4. ATEN processes your request and returns you with a license file.
5. Import the license file.
 - a) Open the web console and go to **Settings > Licenses**.
 - b) Click **Upgrade** and follow the on-screen instructions to the license file.

For a trial license

1. Go to **Start > Unizon Utilities**.
2. Click **Administrator > Reset License**.

The Web Console

ATEN Unizon™ provides an intuitive interface to help you centrally manage and monitor remote devices. Understand the main elements of the web console to help you quickly find the functions you need.

Supported Web Browsers

ATEN Unizon™ supports the following web browsers and operating systems:

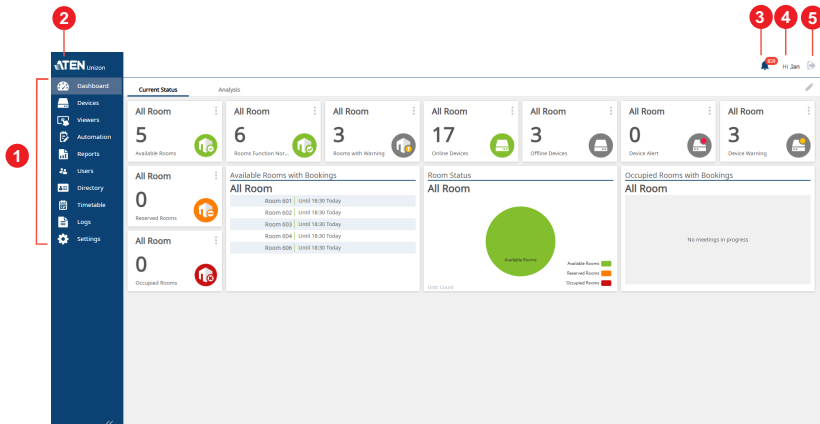
- ◆ Internet Explorer v.11 or later
- ◆ Microsoft Edge: v. 79.0.309 or later
- ◆ Mozilla Firefox v.72.0 or later
- ◆ Google Chrome v.80.0 or later

Login





1. Open a web page and type the URL in the following format:
https://<PC_IP_address>:<HTTPS_port>
For example, the URL may look like this *https://10.3.52.171:8760*
2. Log in via the built-in administrator account:
 - ◆ Username: administrator
 - ◆ Password: password
3. Upon first login, you will be prompted to change the password before proceeding.


The Main Screen

When you log into the ATEN Unizon™ web console, the following screen appears. The function for each element of the screen is summarized in the table below.



No.	Element	Description
1	Function Menu	<ul style="list-style-type: none"> ◆ Dashboard: Contains information cards which give real-time visibility into the usage of your managed devices and rooms. For details, see Chapter 5, Data Analytics. ◆ Devices: Contains settings for adding devices to ATEN Unizon™, device monitoring, and performing maintenance tasks. For details, see Chapter 2, Device Management. ◆ Viewers <ul style="list-style-type: none"> ◆ Sets up real-time notification on ATEN Touch Panel and/or mobile devices for room check-in, check-out, and reservation extension actions. For details, see <i>Setting Up Room Usage Notifications</i>, page 49. ◆ Provides web access to control system Viewers for centralized operation and control. For details, see <i>Embedding Control System Viewers for Centralized Control</i>, page 47. ◆ Stores web access to ATEN or third-party device web consoles for centralized management and control. For details, see <i>Web Browser</i>, page 51. ◆ Automation: Contains settings for event scheduling and task automation. For details, see Chapter 4, Automated Tasks. ◆ Reports: Contains settings for generating the statistic reports. For details, see <i>Report</i>, page 86. ◆ Users: Contains settings for configuring user accounts and access privileges. For details, see <i>User Accounts</i>, page 98. ◆ Directory: Contains user information and created groups which defines user's privilege for room access. For details, see <i>User Directory</i>, page 103. ◆ Timetable: Contains event information and settings for adding or deleting event, import or export timetable. For details, see <i>Timetable</i>, page 110. ◆ Logs: Contains logs for configuration actions and system events. For details, see <i>Notifications and Logs</i>, page 54.

No.	Element	Description
		<ul style="list-style-type: none"> ◆ Settings: Contains system information and settings such as system date and time, network settings, backup settings, license information and upgrade setting, synchronization settings, database settings, and notification settings. For details, see Chapter 6, Administrator Settings.
2		Click to open ATEN's official website.
3	Notifications	<ul style="list-style-type: none"> ◆ Click  to view the latest system, device, and user configuration events. ◆ The number of unread notification messages are indicated in red, for example . <p>For more information, see <i>Notifications and Logs</i>, page 54.</p>
4	Login Name	Identifies the login name.
5	 Log Out	Click to log out of the ATEN Unizon™ console.

 : Click this icon to condense the function menu and only display the menu icons.

Chapter 2

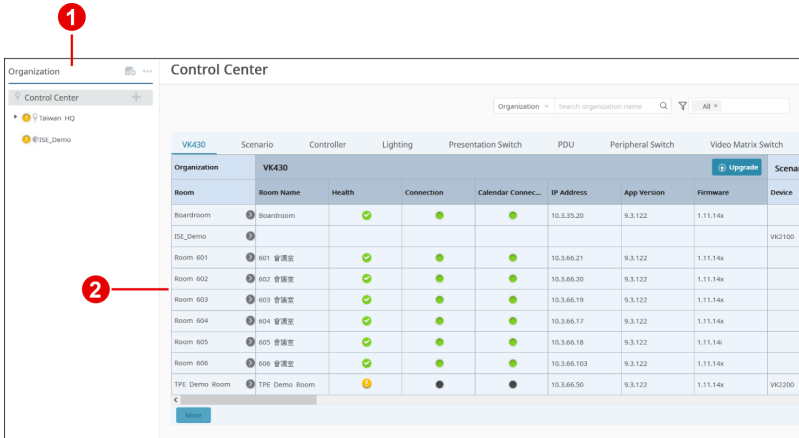
Device Management

Overview



ATEN Unizon™ provides tools and features to help you manage remote devices with ease. This chapter provides information on management tasks such as creating a well-structured deployment tree, adding devices, searching for specific rooms or devices, performing remote tasks, and creating scheduled tasks.

The Devices Tab

The Devices tab shows the how Unizon-managed devices are deployed physically at different locations and rooms, and allows you to monitor device status based on the location or room that you selected.

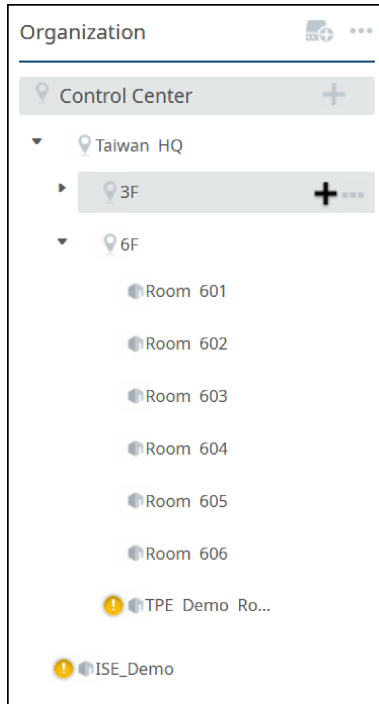


No.	Element	Description
1	Deployment Tree	Use the deployment tree to switch and add/remove Locations and Rooms. For more information, see <i>Deployment Tree</i> , page 21.

No.	Element	Description
2	Device Information Panel	<p>This panel displays the basic information, monitored items, and controls of the added devices.</p> <ul style="list-style-type: none">◆ Location view: Click a Location, identified by  , from the deployment tree to display a summary of all the devices installed under the Location. For more information, see <i>Location View</i>, page 22.◆ Room view: Click a Room, identified by  , from the deployment tree to display devices installed in the Room. For more information, see <i>Room View</i>, page 24. <p>Hint: Both view modes allow you to execute control actions to all devices of the same category (e.g. expansion box or Video Matrix Switch). To perform tasks to one or some of the devices, use Room View, which allows you to select the target devices.</p>

Deployment Tree

The devices that ATEN Unizon™ manages are organized using a deployment tree based on their location, such as buildings, cities, countries, and meeting rooms. For example, a deployment tree may look like the following, where you have offices located in different countries (Location), cities, floors, and a location of the lowest hierarchy may have a few Rooms that are installed with ATEN devices.




Device Information Panel

Location View


Click a Location (📍) from the deployment tree to view status information for the devices installed at the location.

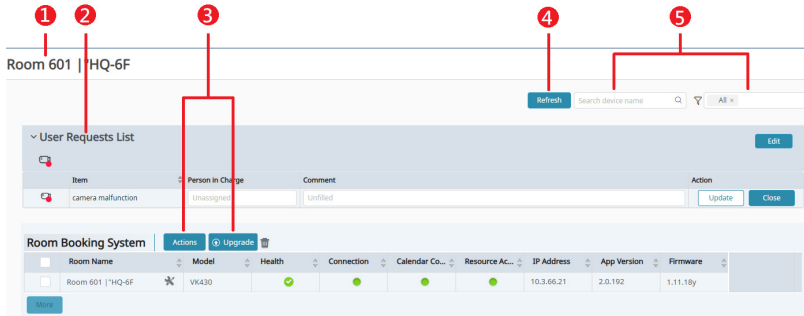
The screenshot displays the 'Taiwan HQ' location view. At the top, the location name is 'Taiwan HQ'. Below it, there are tabs for device categories: 'VK430', 'Scenario', 'Controller', 'Lighting', and 'Video Matrix Switch'. A search bar for 'Organization' is visible. The main table lists devices with columns: Organization, Room, Room Name, Health, Connection, Calendar Connect., IP Address, App Version, Firmware, and Device. The 'Room' column is highlighted with a red box. A 'More' button is located at the bottom left of the table.








No.	Control	Description
1	Location Name	Identifies the name of the location selected from the deployment tree.
2	Device Category or Device Model	Click these tabs to display device information by device category or by device model for the selected location. For example, in the above illustration, eight VK430 exist in ATEN HQ.
3	Information Filters	<p>Use these tools to help you filter the displayed information. For detailed instructions, see <i>Searching for Locations, Rooms, or Devices</i>, page 29.</p> <ul style="list-style-type: none"> ◆ <input type="text" value="Organization"/> <input type="text" value="Search organization name"/> <input type="button" value="Q"/> <input type="button" value="All x"/> : Filter the information by location, room, or device name. ◆ <input type="button" value="Q"/> <input type="text" value="All x"/> : Filter the information by model name. Click in the box to select/unselect the listed models.

No.	Control	Description
4	Room List	Lists all the rooms subordinated to the Location, whether directly or indirectly. Click  next to a Room to view the devices installed in the Room.
5	Device Information	<ul style="list-style-type: none"> ◆ Shows device information and provides control for remote actions. For more information, see <i>Monitoring Device Status</i>, page 41. ◆ The Actions button: Click to perform remote actions to the selected devices. For more information, see <i>Ad Hoc Tasks</i>, page 35.

Room View

Click a room () from the deployment tree or from the Location view to display information for the devices installed in the selected Room.



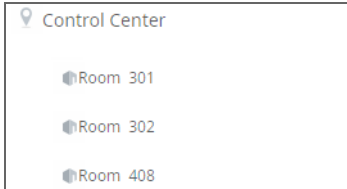
No.	Control	Description
1	Room Name	Identifies the name of the selected Room.
2	User Request List	<ul style="list-style-type: none"> Provides quick-access icons to submit or close a user request.  Edit : Click to configure room capacity and user request item. See , page 25.  Update : For each user request, you can assign a person in charge and leave a comment. Click this icon when finished.  Close : Click to close the user request.
3	Device Information	<ul style="list-style-type: none"> Displays device status information, such as its connection status, device temperatures, and IP address. Indicated information may vary for different ATEN devices.  Actions : Click to perform remote tasks to selected devices of the same model.  Upgrade : Click to upgrade selected devices.  : Click to configure device information, including device name, network settings, and login credentials.  : Click to open the device web console.

No.	Control	Description
4	Refresh	Click to refresh connection status of all managed devices.
5	Information Filters	<p>Use these tools to help you filter the displayed information. For detailed instructions, see <i>Searching for Locations, Rooms, or Devices</i>, page 29.</p> <ul style="list-style-type: none"> ◆ <input type="text" value="Organization"/> <input type="text" value="Search organization name"/> <input type="button" value="Q"/> : Filter the information by location, room, or device name. ◆ <input type="button" value="▽"/> <input type="text" value="All"/> <input type="button" value="x"/> : Filter the information by model name. Click in the box to select/unselect the listed models.

Adding or Removing Locations and Rooms

1. Open the web console and go to the **Devices** tab.
2. To add Locations and/or Rooms, move your cursor to **Control Center** and click **+**.


Tip: Devices cannot be added directly under a Location. If your project only involves different meeting rooms within one building, add Rooms directly under “Control Center”. For example:



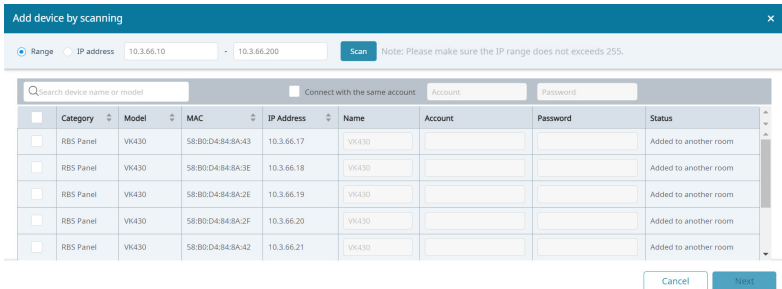
- ◆ **Location:** Refers to a city or building that contains one or more meeting rooms. It is possible to have secondary locations under a primary location. For example, you may have devices set up in different cities within a country. Note that you can not add devices at this level.
 - ◆ **Room:** Refers to a specific room where managed devices are installed. Note that it is not possible to add locations under a room.
3. To rename or remove a location/room, move the cursor to the target item and click **...**.

Adding Devices to ATEN Unizon™

- Make sure you have completed the following before proceeding:
 - Grant control privileges to the target devices
 - Uploaded the project file to the controller

For detailed steps, see *ATEN Control System User Manual*.
- Log in Unizon™ and go to the **Devices** tab.
- Click  and select one of the following options.
 - Add device by scanning:** Scans for all devices in the subnet. This option allows you to add multiple devices at a time.
 - Add device by searching IP:** Scans the subnet for a specified IP address or IP addresses within a specified IP address range.
 - Add device by specifying device info:** Adds a device by specifying the name, IP address, and login credentials of the device.

The search results display in a window.

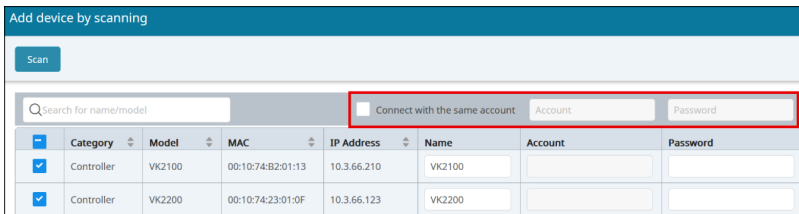


The screenshot shows a window titled "Add device by scanning" with a search range of 10.3.66.10 to 10.3.66.200. Below the search bar is a table of results:

<input type="checkbox"/>	Category	Model	MAC	IP Address	Name	Account	Password	Status
<input type="checkbox"/>	RBS Panel	VK430	S8:80:D4:84:8A:43	10.3.66.17	VK430			Added to another room
<input type="checkbox"/>	RBS Panel	VK430	S8:80:D4:84:8A:3E	10.3.66.18	VK430			Added to another room
<input type="checkbox"/>	RBS Panel	VK430	S8:80:D4:84:8A:2E	10.3.66.19	VK430			Added to another room
<input type="checkbox"/>	RBS Panel	VK430	S8:80:D4:84:8A:2F	10.3.66.20	VK430			Added to another room
<input type="checkbox"/>	RBS Panel	VK430	S8:80:D4:84:8A:42	10.3.66.21	VK430			Added to another room

Buttons for "Cancel" and "Next" are visible at the bottom right.

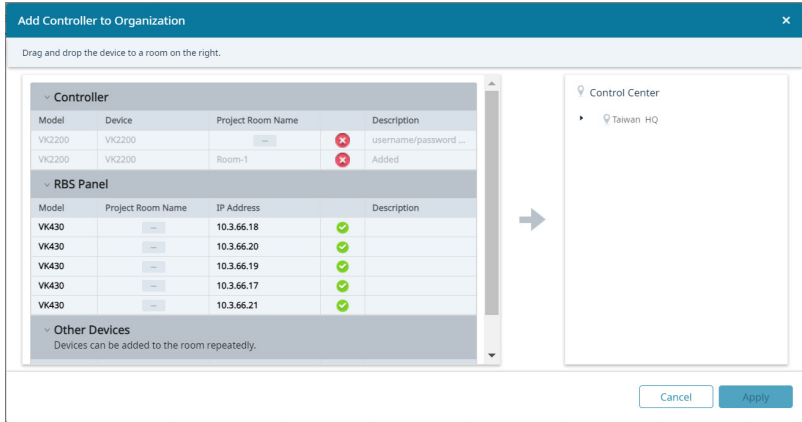
- Select one or more devices, enter their login credentials, and click **Next**.
Tip: You may add a batch of devices that share identical credentials by selecting these devices in the list, and then enable the indicated function and enter the credentials.



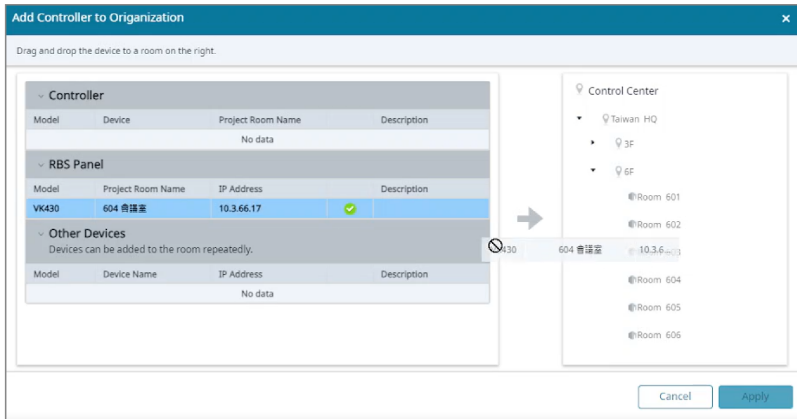
The screenshot shows the same window with checkboxes selected for the Controller devices. The "Connect with the same account" checkbox is checked and highlighted with a red box, along with the "Account" and "Password" input fields.

<input type="checkbox"/>	Category	Model	MAC	IP Address	Name	Account	Password
<input checked="" type="checkbox"/>	Controller	VK2100	00:10:74:8B:01:13	10.3.66.210	VK2100		
<input checked="" type="checkbox"/>	Controller	VK2200	00:10:74:23:01:0F	10.3.66.123	VK2200		

Connection results appear in a window.



5. Drag-and-drop each device to an existing room.



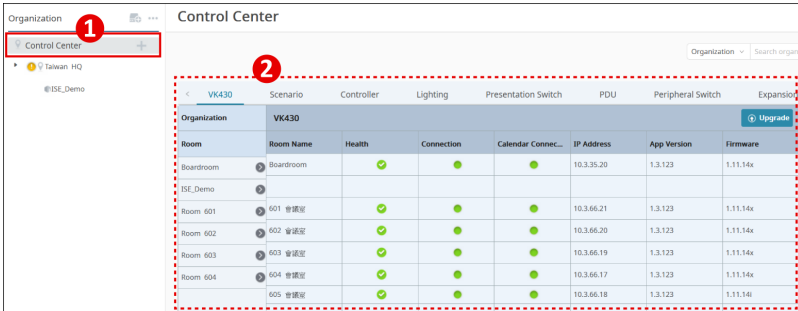
Note:

- ◆ To re-allocate devices to a different room in Unizon™, repeat steps 3 to 5 to search and allocate the devices to the target room.
- ◆ Each room can contain up to 4 RBS panels. The RBS panels in one room automatically synchronizes with each other whenever a change is made through any of them.

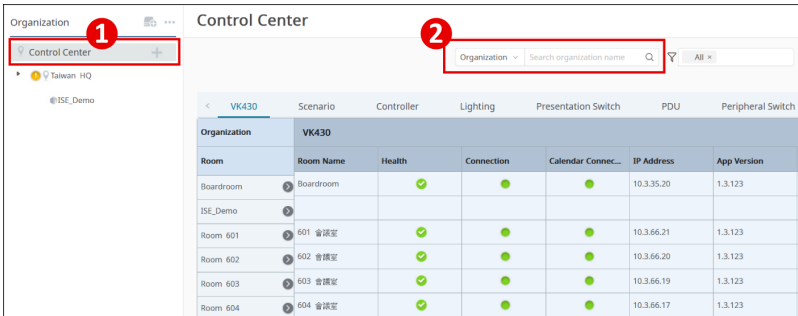
Searching for Locations, Rooms, or Devices

Searching Devices by Location, Room, or Device Name

1. Open the web console and go to the **Devices** tab.
2. Use one of the following methods:
 - ◆ Select a location or room from the deployment tree, and locate your target device on Device Information Panel. Click **Control Center** in the



deployment tree, and then use the search box to search for a specified location/room or device.

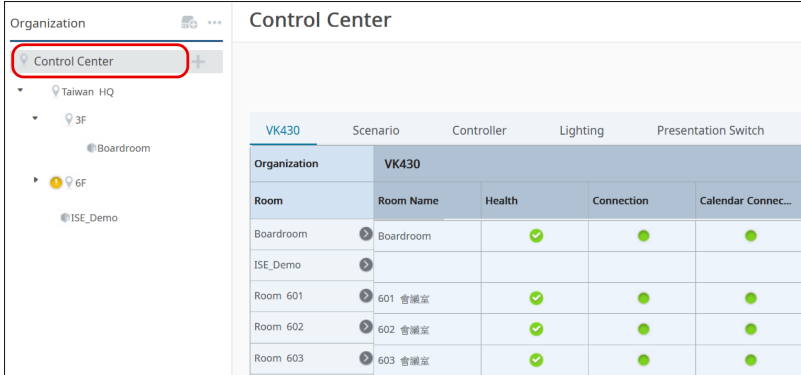


- a) Click the drop-down menu and select **Organization** or **Device**.
- b) Type the keyword in the search box. The search is not case-sensitive.
- c) Press **Enter**. The matched locations/rooms or devices appear.

Note: If a matched location/room does not contain any devices, it will not appear in the result.

Searching Devices by Model Name

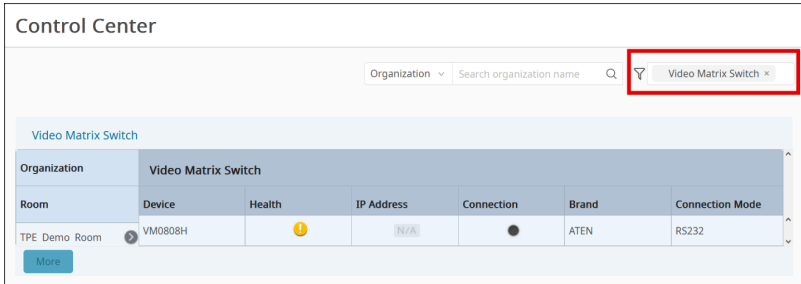
1. Open the web console and go to the **Devices** tab.
2. In the deployment tree, click a Location or Room under which you wish to search. If you wish to search the entire deployment, click **Control Center**.



The screenshot shows the 'Control Center' interface. On the left, the 'Organization' tree is visible, with 'Control Center' selected and highlighted by a red box. The main area displays a table of devices under the 'VK430' scenario.

Organization	Scenario	Controller	Lighting	Presentation Switch
Boardroom	Boardroom	✓	●	●
ISE_Demo				
Room 601	601 會議室	✓	●	●
Room 602	602 會議室	✓	●	●
Room 603	603 會議室	✓	●	●

3. Click the filter box and select/unselect models as required. The matched results appear.



The screenshot shows the 'Control Center' interface with a search filter applied. The filter box is highlighted with a red box and contains the text 'Video Matrix Switch'. The table below shows the filtered results.


Organization	Device	Health	IP Address	Connection	Brand	Connection Mode
TPE Demo Room	VM0808H	⚠	N/A	●	ATEN	RS232

User Request

The *User Request* feature allows users to create user requests for assistance, such as malfunctioning cameras, Internet problems, or lighting issues. Once a user request is created, the Unizon provides quick-access icon to submit or close a user request.

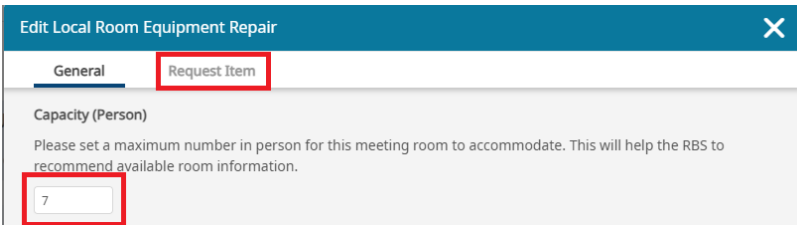
Adding User Request

To add an user request, follow the steps below.

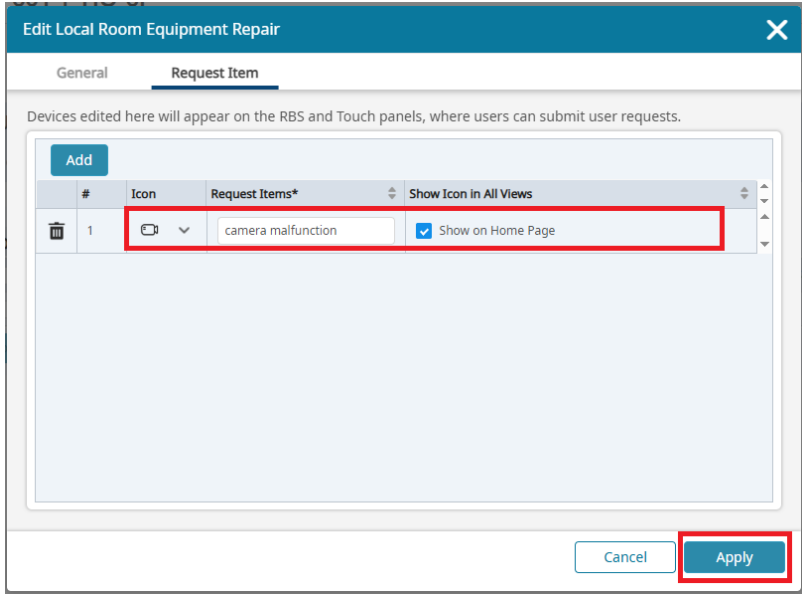
1. Open the web console and go to the **Devices** tab.
2. Click a room () from the deployment tree or from the Location view to display information for the devices installed in the selected Room.
3. From the room view page, go to **User Request List** and click **Edit**.



4. From the pop-up window, fill in the capacity in person from the General tab, and then to go **Request Item** tab.



- From the Request Item tab, a user request is generated as default. Use the Icon drop-down menu to select a user request type, enter a description (such as camera malfunction), and enable the **Show on Home Page** checkbox if you want the icon to appear on the ATEN RBS / Touch Panel's home page. Click Apply when finished.

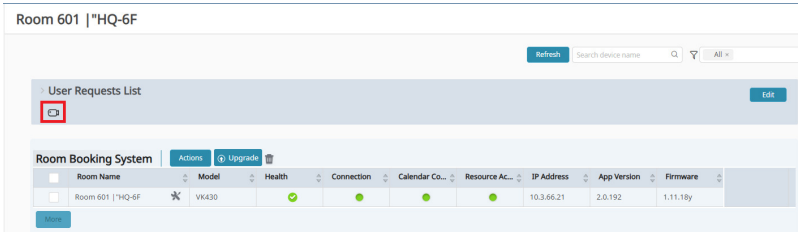


- The camera icon now appears in the room view page. You can add up to 40 user requests per room in Unizon. Up to 12 user requests can be displayed on the ATEN RBS / Touch Panels as icons for submitting or closing user requests.

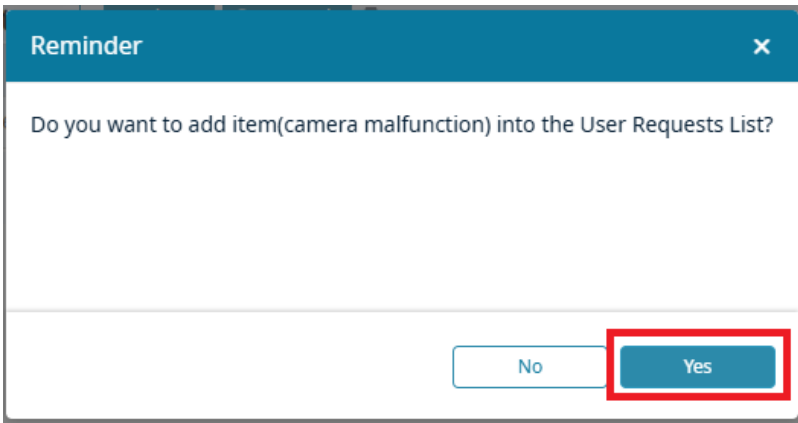
Submitting / Closing User Request

To submit a user request, follow the steps below.

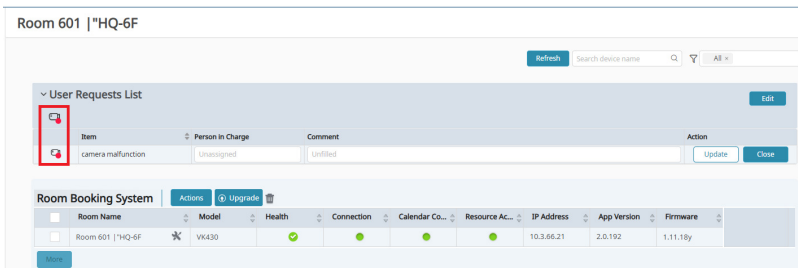
1. Click on a user request icon from the room view page.



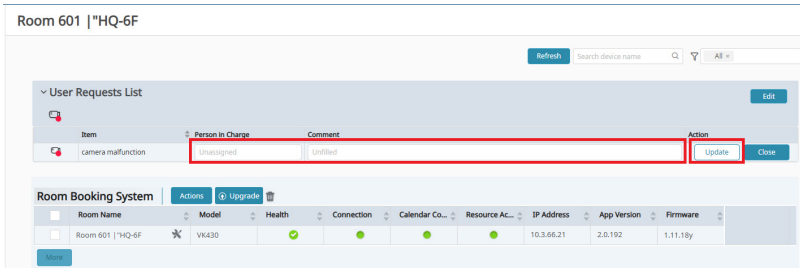
2. A pop-up message appears, click Yes to submit the user request.



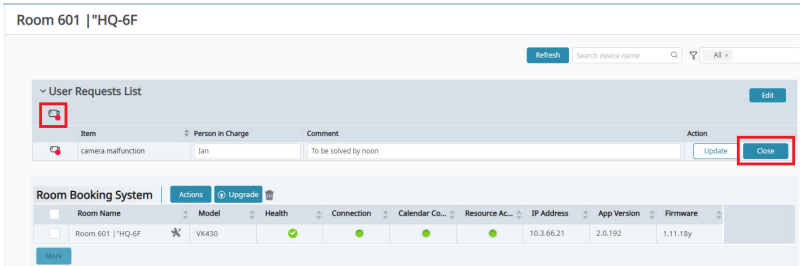
3. In the room view page, a camera icon with a red dot appears to indicate that the user request has been submitted.



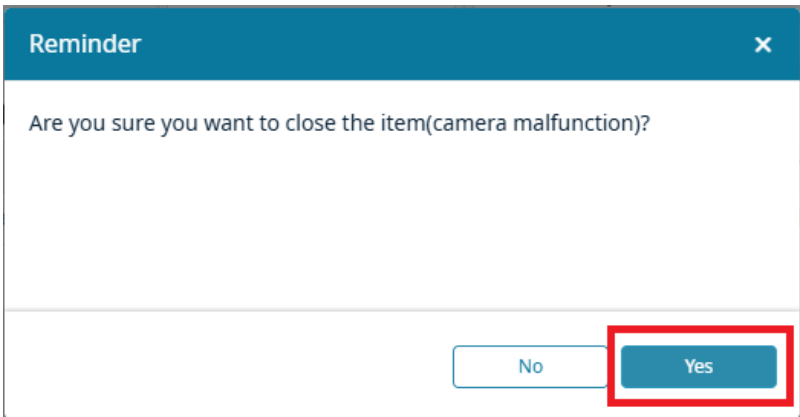
4. You can assign a person in charge and leave a comment, then click **Update** when finished.



5. To close the user request, click the user request you want to close (user request icon with a red dot) or click **Close**.



6. A pop-up message appears. Click Yes to close user request.



Ad Hoc Tasks

Overview

You can perform an ad hoc task to one or multiple Unizon™-managed devices at a time. The supported ad hoc tasks vary depending on the device category, and if the device is managed by an ATEN controller or directly by Unizon™. See the next section for more information.

Note: To apply multiple tasks at a time, or to have tasks executed on specified schedules (once or recurringly), use the automation function. For more information, see *Automated Tasks*, page 59.

Supported Ad Hoc Tasks

- ◆ Refer to the table below to find out the built-in ad hoc tasks for **ATEN controllers and their managed devices**.

Built-in Ad Hoc Task	ATEN Controller	Controller-managed Devices	VK330	VK430	Video Matrix Switch	VR610
		Expansion Box				
Upgrade firmware	✓	✓	✓	✓	✓	
Upgrade App			✓	✓		
Reboot	✓	✓		✓	✓	✓
Change administrator password	✓				✓	
Download logs				✓		

Note: For controller-managed devices, it is possible to create other control actions for use on Unizon™. For more information, see *Creating a Control Function for Controller-managed Devices*, page 40.

- ◆ ATEN Unizon™ supports the following built-in ad hoc tasks for **standalone video matrix switches**.
 - ◆ Input and output related
 - ◆ Disable video outputs
 - ◆ Switch video outputs
 - ◆ Set resolutions¹

- ◆ Test video quality²
- ◆ Load profiles
- ◆ Administrator settings
- ◆ Change the administrator password
- ◆ Upgrade system firmware
- ◆ Reboot

Note:

1. The set resolutions function is not applicable to VM0404HB and VM0808HB.
 2. The test video quality function is only applicable to VM1600A, VM3200, and VM3250.
-

Executing an Ad Hoc Task

Executing an Ad Hoc Task to Devices of the Same Category

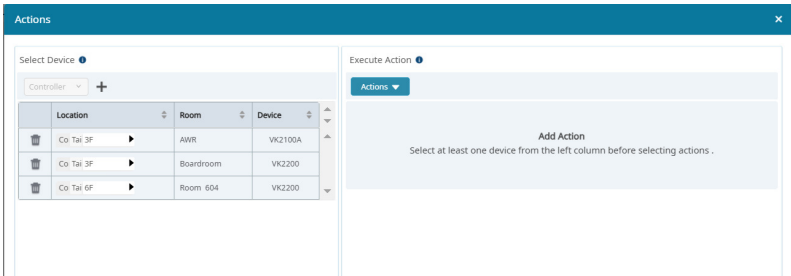
To execute an ad hoc task to all the devices of a selected category, across different rooms within the control center, follow the steps below.

1. Go to **Devices**, and in the deployment tree, click **Control Center** to show all devices in the device information panel.
2. From the top row of the table, click on the device category of your target device. The table shows all the added devices of your selected device category.

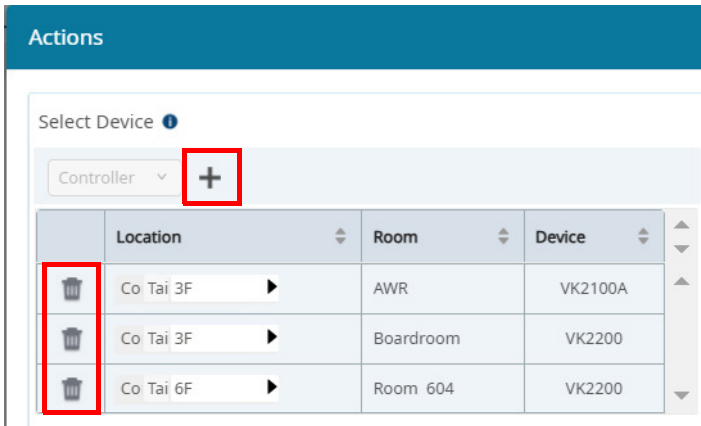
Organization	Room	Model	Controller ID	IP Address	Firmware	Licenses
	AWR	VK2100A	11	10.3.33.4	3.6.357	3 16
	Boardroom	VK2200	1	10.3.35.10	3.8.371	1 2

3. To upgrade all the devices of your selected category, click **Upgrade** and follow the on-screen instructions to complete the upgrade.

4. To perform tasks other than upgrades, click **Actions**. The Actions window appears.



- a) In the Select Device panel, use the add **+** and recycle **🗑️** buttons to configure the list of target devices as required.



- b) In the Execute Action panel, click **Actions** to add a task.
 c) Configure or fill in the required information for the added task as needed.
5. Click **Apply** to execute the task.

Executing an Ad Hoc Task to Devices Installed in One Room

To execute an ad hoc task to devices installed in a specific room, follow the steps below.

1. Go to **Devices** and click the target room from the deployment tree. For example:

The screenshot shows the 'Room 604' deployment tree on the left, with 'Room 604' highlighted in a red box. On the right, the 'Controller' and 'Expansion Box' sections are visible. The 'Expansion Box' table lists several devices with their models and health status.

Expansion Box		Actions	Upgrade		
	Device	Model	Health		
<input type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK224	●
<input type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK258	●
<input type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK258	●
<input type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK258	●
<input type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK236	●

2. Click to select the target devices. For example:

The screenshot shows the 'Room 604' Expansion Box table with three devices selected, indicated by blue checkmarks in a red box. The table includes columns for Device, Model, Health, Connection, Controller ID, and Board ID.

Expansion Box		Actions	Upgrade					
	Device	Model	Health	Connection	Controller ID	Bo		
<input checked="" type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK224	●	1	1	
<input checked="" type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK258	●	1	1	
<input checked="" type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK258	●	1	2	
<input type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK258	●	1	3	
<input type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK236	●	1	1	

Note: You can only apply tasks to devices of the same model at one time.

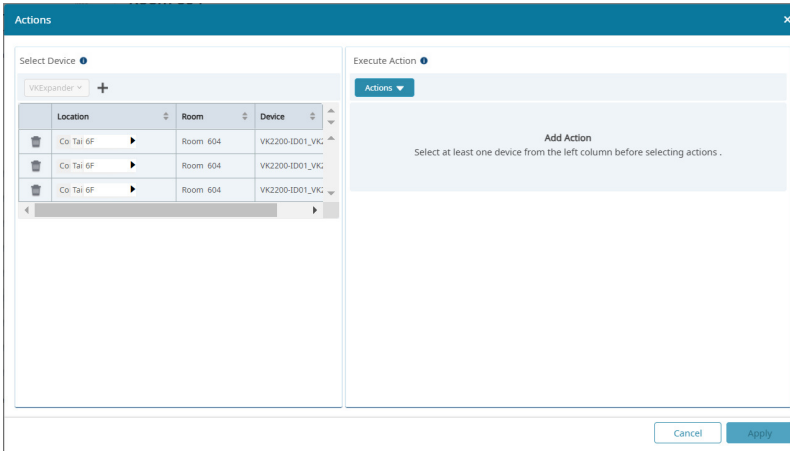
3. To upgrade the selected devices, click **Upgrade** and follow the on-screen instructions to complete the upgrade.

Room 604

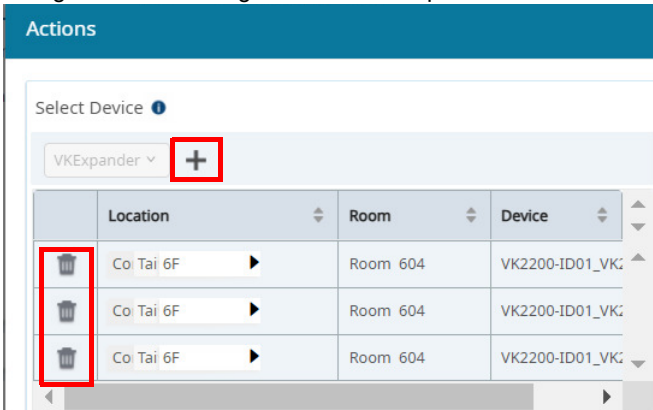
The screenshot shows the 'Room 604' Expansion Box table with the 'Upgrade' button highlighted in a red box. The table shows the same three selected devices as in the previous screenshot.

Expansion Box		Actions	Upgrade				
	Device	Model	Health	Connection	Controller ID	Bo	
<input checked="" type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK224	●	1	
<input checked="" type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK258	●	1	
<input checked="" type="checkbox"/>	<input type="radio"/> 1st	VK2200	VK2200-ID01_...	VK258	●	1	

4. To perform tasks other than upgrades, click **Actions**. The Actions window appears.



- a) In the Select Device panel, use the add **+** and recycle **🗑** buttons to configure the list of target devices as required.

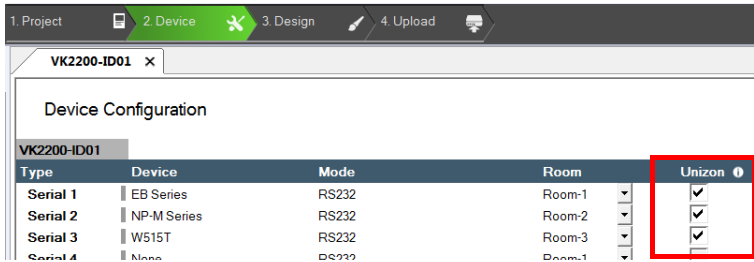


- b) In the Execute Action panel, click **Actions** to add a task.
 c) Configure or fill in the required information for the added task as needed.
5. Click **Apply** to execute the task.

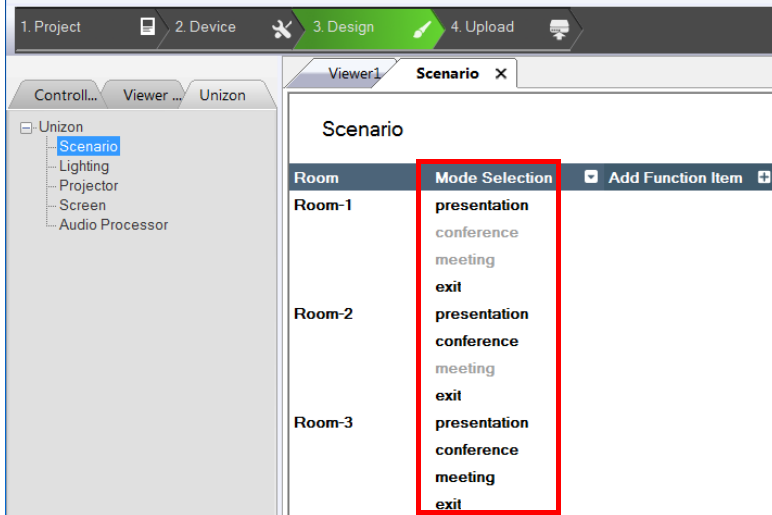
Creating a Control Function for Controller-managed Devices

Take the example of remotely switching the environment mode among different meeting room scenarios, such as presentation, conference, or meeting, where multiple devices (e.g. lighting, projector lift, air conditioner) are automatically turned on/off or set to a specific value.

1. Configure the controller project file.
 - a) In ATEN Configurator, open the project file.
In the Device tab, select the Unizon check boxes to grant control privilege to the target devices. For example:



In the Design tab, click **Add Function Item** to create the control function and configure the actions for each option. For example:



2. Upload the project. The control function appears in Unizon™ shortly.

Note: For full details, refer to *Enabling Monitoring and Control via Unizon™, ATEN Control System User Manual*.

Chapter 3

Device Monitoring and Control

Overview

When monitoring devices, the user needs to stay informed of critical parameters of the devices, such as power supply and device temperature, to make sure that these devices are working as they intended, and to handle issues that occurred. This chapter provides information on how to quickly find out about important device parameters and monitor recent system and device activities via logs and notification messages.

Monitoring Device Status

Accessing the Device Information Panel

To look up device status, use any of the following elements in the ATEN Unizon™ console to help you locate the information you need.

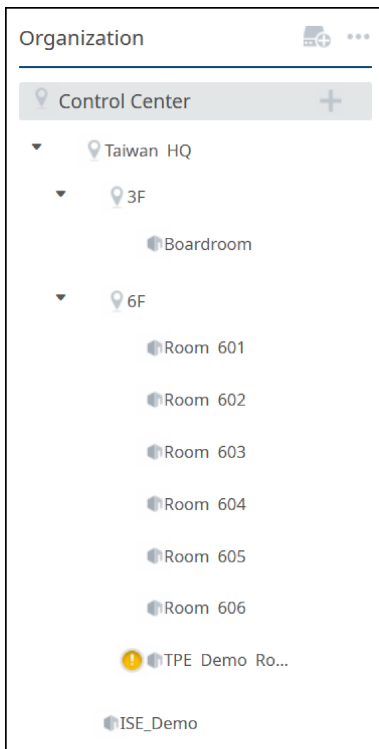
Device Category Tabs

In the Devices tab, click **Control Center** in the deployment tree, and then select the target device type/model. For example:

Organization	Controller					
Room	Device	Health	Connection	Model	Controller ID	IP Ad
Boardroom						
ISE_Demo	VK2100	✓	●	VK2100	16	10.3.4
Room 601						
Room 602						
Room 603						
Room 604						

Deployment Tree

Locate the device from the deployment tree.



Information Filters



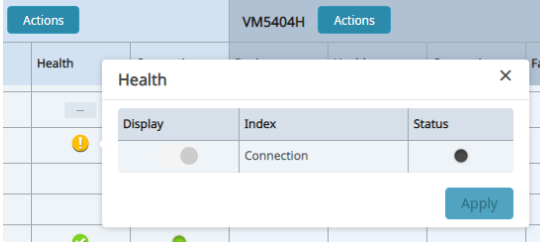









Use Information Filters



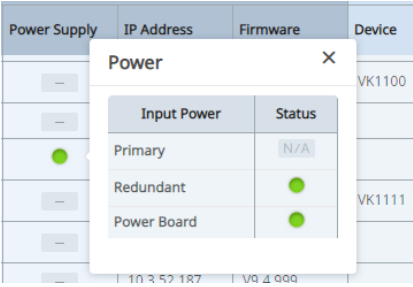




Organization ▾ Search organization name 🔍

🔍 All × to search for a Location/Room/Device name or a model name. For detailed information, see *Searching for Locations, Rooms, or Devices*, page 29.

Parameter Status

Refer to the table below for information about different parameter statuses.

Parameter	Status Icon	Description
Health		The monitored parameters are functioning normally.
		At least one parameter is not functioning normally. Users are advised to check on the device and avoid potential issues. Click this icon to view more details. For example, this particular ATEN controller illustrated below is indicated with a warning icon because it has disconnected from ATEN Unizon™.
		
Power Status		The device is operating under the normal mode.
		The device is operating under the standby mode.
Fan		The device fan is operating normally.
		The device fan is not operating normally.
Connection		The device is connected to ATEN Unizon™.
		The device has disconnected from ATEN Unizon™ and many device parameters will become unavailable.
Temperature		The device temperature is within the safety range.
		The device temperature is high. Users are advised to monitor the temperature closely to prevent overheating.
		The device temperature has exceeded the safety range. Users are advised to resolve the issue immediately.

Parameter	Status Icon	Description
Power Supply		The power supply is functioning normally.
		<ul style="list-style-type: none"> The power supply is not functioning normally. Users are advised to check on the power supply of the device. To view power supply status for different power components of the device, click on the Power Supply status icon to open a pop-up dialog box: 
		The power supply is not functioning normally. Users are advised to check on the device as soon as possible.
	N/A	No power is supplied to the device.
User-defined parameter		For controller-managed devices, you can create parameters for Unizon™'s monitoring, up to three different statuses for each parameter, and their criteria. For full information, see <i>Centralized Monitoring and Control via Unizon™, Control System User Manual</i> .
		
		

Note: The supported parameters vary with different ATEN devices.

Accessing Controller Web Console

Unizon™ allows you to redirect to a controller's web console from room views.

1. In the Unizon™ web console, click the **Devices** tab.
2. Use any of the following methods to go into room view of the target controller.
 - ◆ Locate and click the room from the deployment tree
 - ◆ Click **Control Center** in the deployment tree, and then click the target room from the Room column.

An example of room view:

TPE Demo Room

Scenario

Device	Lighting	Control Item	
VK2200	●	Select	Apply

More

Controller Upgrade


	Device	Model	Health	Connection
<input type="checkbox"/>	<input checked="" type="radio"/> Test VK2200		VK2200	● !

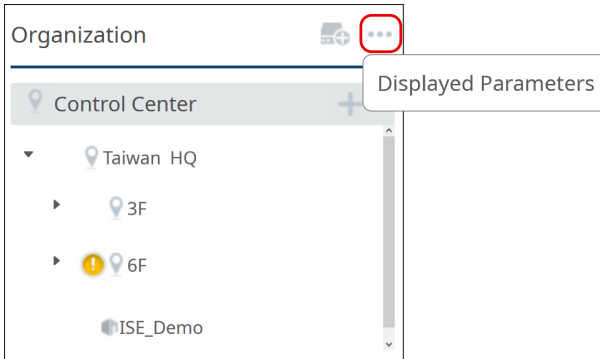
More

3. Click to open the login page of the web console.

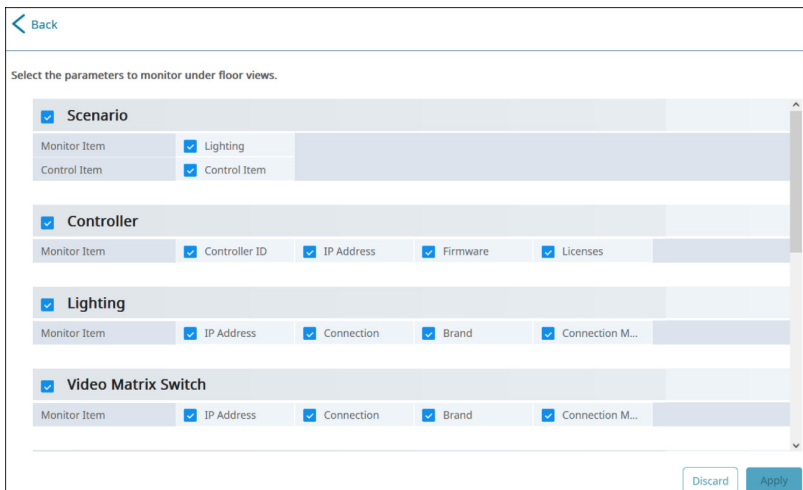
Changing the Monitoring Preferences

To enable/disable the display of monitored parameters in location views, follow the steps below to configure monitoring preferences.

1. Open the web console and go to the **Devices** tab.
2. Click the more button  and then select **Displayed Parameters**.



3. By default, all parameters are enabled for monitoring. Configure the settings as required.

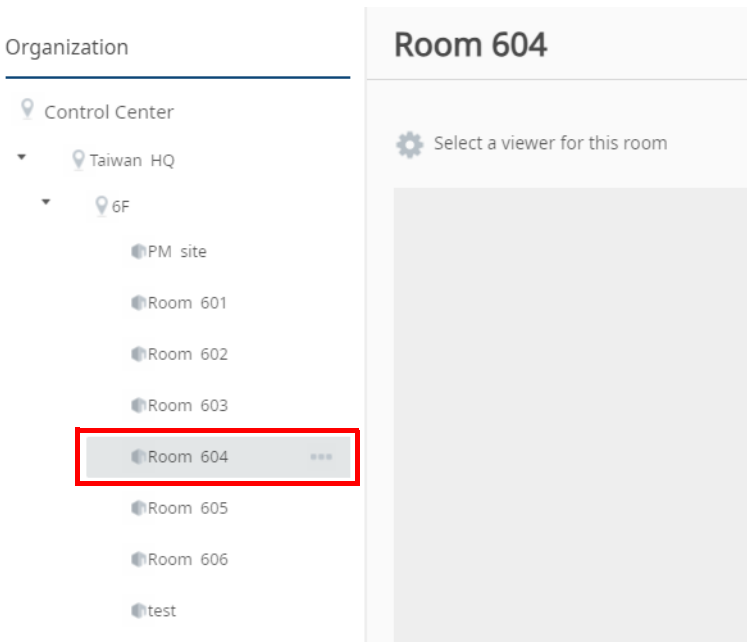



Centralized Control and Management

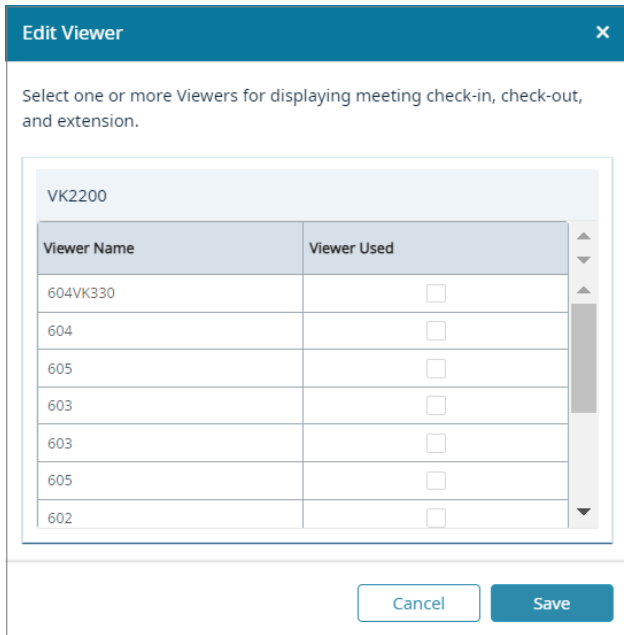
Embedding Control System Viewers for Centralized Control

You can virtually operate controller managed environments via ATEN Unizon™ by embedding Control System Viewers onto the ATEN Unizon™ web console.

1. Make sure you have added the controller of the target environment to ATEN Unizon™. For details, see *Adding Devices to ATEN Unizon™*, page 27.
2. From the Unizon web console, go to **Viewers**.
3. Load the Viewers you need into Unizon.
 - a) From the deployment tree, click to select the environment you wish to control. For example, select Room 604.



- b) Click . A list of Viewers stored to the controller of the room appears.



- c) Select one or more viewers you wish to embed to Unizon, and then click **Save**. The selected viewers are loaded to the ATEN View page as tabs that you can click to switch.



Setting Up Room Usage Notifications

You can notify room check-in, check-out, and reservation extensions on ATEN Touch Panels and/or mobile devices as soon as these actions are made. To enable this feature, do the following.

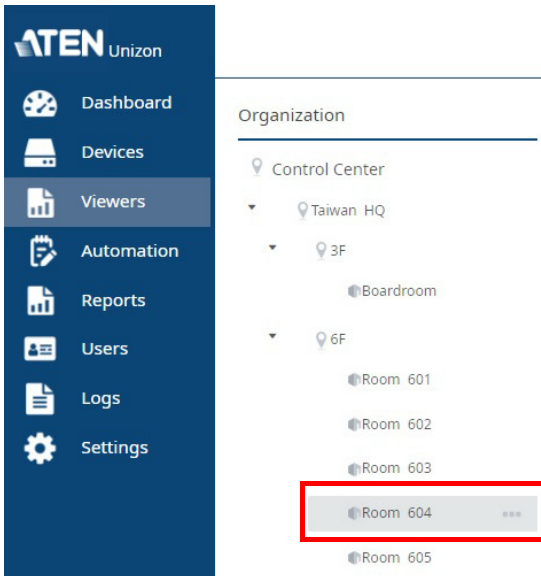
1. In the viewer file(s) that the target control panels use, enable **Access to RBS Control**.


For more information, see *Chapter 7 ATEN Control System App, ATEN Control System User Manual*.

2. Make sure the following devices are added to ATEN Unizon™.
 - ◆ the controller which manages the target ATEN touch panel(s) and/or mobile device(s)
 - ◆ the RBS panel(s) which have access to using the meeting room.

For a detailed procedure, see *Adding Devices to ATEN Unizon™*, page 27.

3. Select one or more viewers to which ATEN Unizon™ sends room usage notifications.
 - a) In the ATEN Unizon™ console, go to **Viewers**.
 - b) From the organization tree, click to select the room where you wish to set up notifications for room usage.



- c) In the ATEN Viewer tab, click  . The Edit Viewer dialog box appears. The Edit Viewer dialog box lists all the viewer files stored to the controller installed in this room.
- d) Click to select the Viewer(s) used by control interfaces installed to the room. The selected devices will receive room usage notifications. For example:

Edit Viewer×

Select one or more Viewers for displaying meeting check-in, check-out, and extension.

VK2200

Viewer Name	Viewer Used
604VK330	<input checked="" type="checkbox"/>
604	<input checked="" type="checkbox"/>
605	<input type="checkbox"/>
603	<input type="checkbox"/>
603	<input type="checkbox"/>
605	<input type="checkbox"/>
602	<input type="checkbox"/>

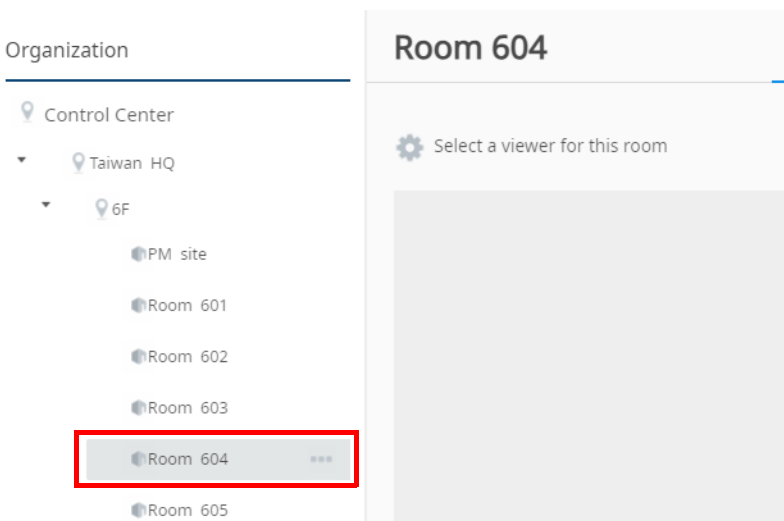
CancelSave


Web Browser

You can embed web consoles of ATEN or third-party devices to Unizon for centralized control. For example, in a meeting room installed with an ATEN controller and a Video Presenter, you can embed their web consoles (GUI) to Unizon for central management.

To set up the function, follow the steps below.

1. From the Unizon web console, go to **Viewers**.
2. From the deployment tree, click to select a room. For example, click to select Room 604.



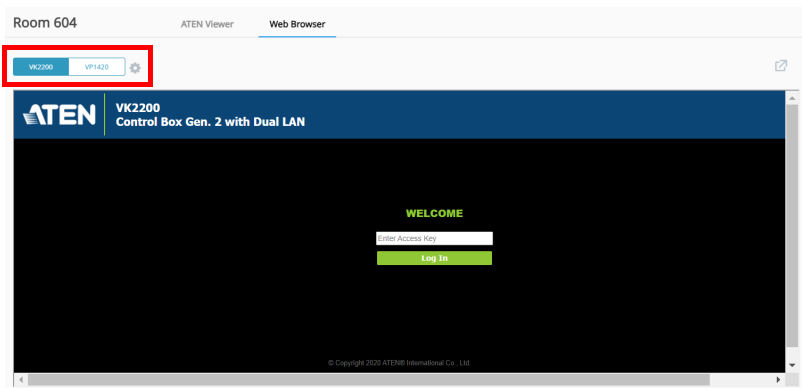
3. In the Web Browser tab, click  to add a web URL. The Edit Web Browser screen appears.

- Click **Add** and follow the on-screen instructions to enter the Name and URL of the web page. For example:

#	Name	URL
1	VK2200	https://10.3.66.123/
2	VP1420	https://10.3.66.124/

Add

- Click **Apply**. If you have added two or more web pages, they appear as separate buttons which you can click to switch pages.



infoPlayer Viewer

The infoPlayer Viewer allows administrators to view all the room statuses and manage bookings directly from the Unizon. Please note that the infoPlayer Viewer is only available from the location layer, not from the room layer under the deployment tree.


Note: The infoPlayer Viewer is only supported using VR610 firmware version v1.2 or later and Unizon software version v2.6.253 or later.

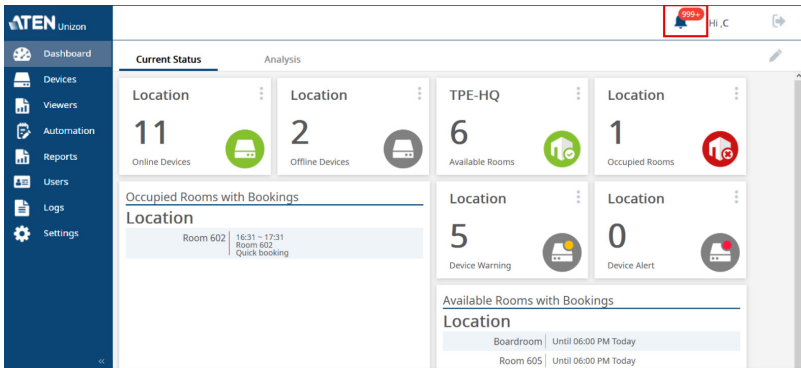


Notifications and Logs

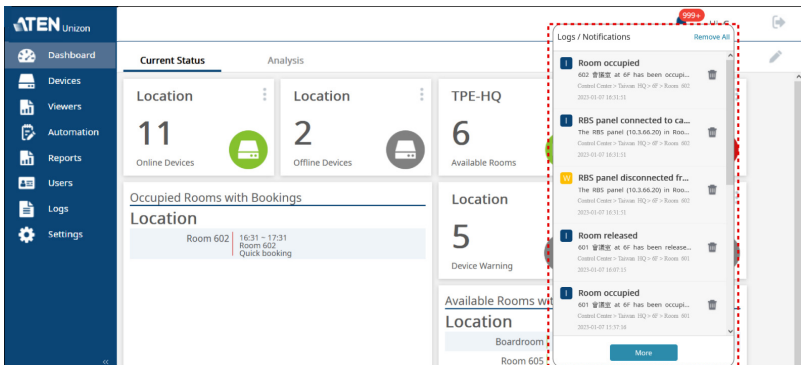
ATEN Unizon™ logs system, device, and configuration events, and at the same time notify the user (administrator and standard user) via notification messages to allow instant event monitoring, issue handling, and future event tracking.

Viewing Notification Messages

When an event occurs, a notification message will be collapsed to the notification icon  at the top-right corner of the web console:



Click  to view event details:



The pop-up panel lists all events that occurred chronically, with the most recent on the top. See the illustration below for an overview.

The screenshot shows a 'Logs / Notifications' panel with a 'Remove All' link at the top right. The panel contains a list of five event entries, each with a security level icon (I, W, or C), a title, a detailed description, a source, and a timestamp. Annotations point to various elements:

- Event Name:** Points to the title of the first event: "Controller device went onl...".
- Click to go to the room view for this device:** Points to a circular arrow icon next to the first event.
- Mouse over to see full event detail:** Points to a tooltip that appears when hovering over the second event. The tooltip text is:


```
Device IP address changed
The IP address of the device VP3520 connected to
controller VK2100 has been changed from 0.0.0.0 to
.
Control Center > ISE_Demo
2023-01-07 18:05:38
```
- Recycle this notification message:** Points to a trash can icon next to the fourth event.
- Security level (I = Information, W = Warning, C = Critical):** Points to the 'I' icon of the fifth event.
- Click to load more entries:** Points to a blue 'More' button at the bottom of the panel.

Searching for Past Events

You can search for past events by keywords or by search filters (specified period, category, and severity level).

By Keywords

To search events with specific key words, go to Logs in the web console, type one or more words in the search box and click . The results are displayed in a table like this:

Time	Category	Severity	Event	Description
2023-01-07 18:06:21	Device trap	Information	Room synchronized from controller	The device details in room ISE_Demo have been synchronized from controller VK2100 (10.3.66.210). The IP address of the device VP3520 connected to controller VK2100 has been changed from to 0.0.0.0.
2023-01-07 18:06:20	Device trap	Information	Device IP address changed	The IP address of the device PE4104G connected to controller VK2100 has been changed from to 0.0.0.0.
2023-01-07 18:06:01	Device trap	Warning	Controller connected device went offline	Device VP3520 connected to controller VK2100 has gone offline.
2023-01-07 18:06:01	Device trap	Warning	Room status changed with warning	At least one of the monitored parameters for ISE_Demo is not functioning at its optimum condition.
2023-01-07 18:06:01	Device trap	Warning	Controller connected device went offline	Device PE4104G connected to controller VK2100 has gone offline.
2023-01-07 18:05:39	Device trap	Information	Room status changed to healthy	The monitored parameters for ISE_Demo function normally.
2023-01-07 18:05:38	Device trap	Information	Device IP address changed	The IP address of the device VP3520 connected to controller VK2100 has been changed from 0.0.0.0 to .
2023-01-07 18:05:38	Device trap	Information	Device IP address changed	The IP address of the device PE4104G connected to controller VK2100 has been changed from 0.0.0.0 to .
2023-01-07 18:05:23	Device trap	Warning	Controller connected device went offline	Device VP3520(0.0.0.0) connected to controller VK2100 has gone offline.

By Search Filters

1. Click . The configuration panel appears.

Filter results

Time & Date

Category

Severity

- Click each filter to configure its setting.
- Click **Apply**. The results are displayed.

- ◆ To change the number of entries per page, click Items / page.
- ◆ To go to the next or previous page of results, use the arrows or type in the box at the bottom of the window

- ◆ Click the arrows next to each column header to sort the displayed results. A black arrow indicates that the results are currently sorted based on the corresponding header.


Time	Category	Severity
2019-08-01 17:33:59	System	Information
2019-07-25 15:28:33	System	Information
2019-08-07 16:42:39	System	Information
2019-08-07 16:21:16	System	Information

For more information about event types and severity levels, see *Notifications and Log Settings*, page 125.

Configuring Notification/Log Settings

ATEN Unizon™ logs and notifies events of all types by default. To configure this setting, open the web console and go to **Settings > Notification**.

Exporting Logs

Export logs for backup purpose or to relocate these logs periodically to another hard drive to make space for future data storage. To export logs, click  and select **Export all logs**, **Export the current page**, or **Export the search result only**.

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Chapter 4

Automated Tasks

Overview

An automated task is an user-defined, scheduled task that executes automatically to ATEN Unizon™'s managed devices. Use this function to help you save the labor of executing recurring tasks or tasks that are to be administered to multiple devices at a time.

ATEN Unizon™ supports the following automated tasks:

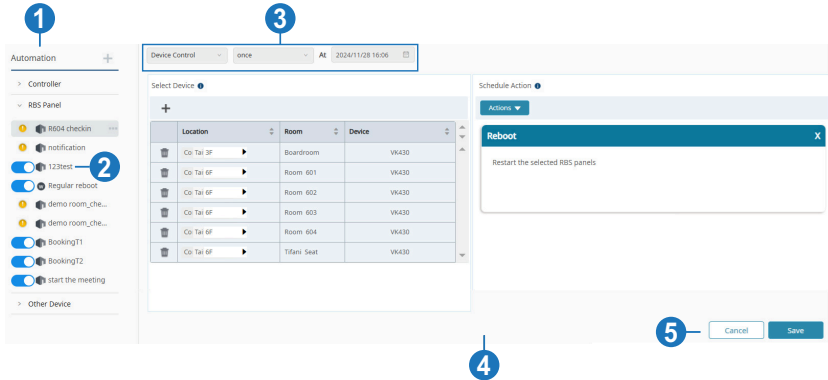
Automated Task	ATEN Controller	Controller-managed		VK430	Video Matrix Switches	VR610
		Expansion Box	Other Devices			
Disable video outputs					✓	
Switch video outputs					✓	
Set resolutions ¹					✓	
Test video quality ²					✓	
Load profiles					✓	
Reboot	✓	✓		✓	✓	✓
Self-configured tasks (control items ³)	✓	✓	✓			

Note:

1. The set resolutions function is not applicable to VM0404HB and VM0808HB.
 2. The test video quality function is only applicable to VM1600A, VM3200, and VM3250.
 3. Control items are self-configured tasks that need to be created via ATEN Configurator.
-

Automation Page Overview

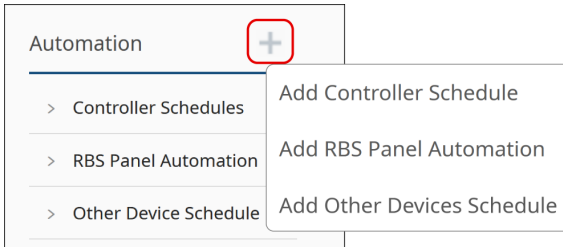
Refer to the diagram below for an overview of the automated tasks panel:



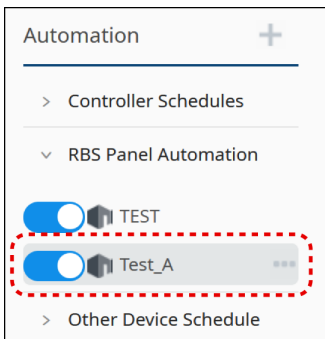
No.	Element	Description
1	Automation List	<ul style="list-style-type: none"> ◆ The automation list shows all the created automated tasks, categorized based on the target device: <ul style="list-style-type: none"> ◆ Controller Schedules These are automated tasks targeted to controllers and/or the controller-managed devices. ◆ RBS Panel Schedules These are automated tasks targeted to RBS panels. ◆ Other Device Schedules These are automated tasks targeted to standalone Video Matrix Switch devices. ◆ Use the add + button to create new automated tasks. For detailed instructions, see <i>Adding an Automated Task</i>, page 61.
2	Switch Button	To enable or disable the task by switching it on or off.
3	Range Picker	To specify the time or interval to carry out the task.
4	Configuration Panel	The configuration of the task.
5	Cancel / Save	To discard the changes by Cancel or to make the changed settings effective by Save .

Adding an Automated Task

1. Log in the Unizon web console with an administrator account.
2. Go to **Automation**.
3. Next to the list of automated tasks, click **+** and then select an option based on your targeted device.



- ◆ **Add Controller Schedule:** Select this option to create an automated targeted on controllers and/or their managed devices.
 - ◆ **Add RBS Panel Automation:** Select this option to create an automated task targeted on RBS panels or tasks to be executed automatically based on a specified room scenario.
 - ◆ **Add Other Device Schedules:** Select this option to create an automated task targeted on standalone Video Matrix Switches.
4. In the pop-up dialog, name the task and click **OK**. The new task is added to your selected task type of the automation list.



5. In the configuration panel, configure the created task. For detailed instructions, refer to the following sections.
 - ◆ *Configuring an Automated Task for Controllers*, page 62
 - ◆ *Configuring an Automated Task for Room Booking System*, page 64
 - ◆ *Configuring an Automated Task for Other Devices*, page 67

Configuring an Automated Task for Controllers

After adding an automated task, follow the steps below to configure the schedule, target devices/rooms, and actions.

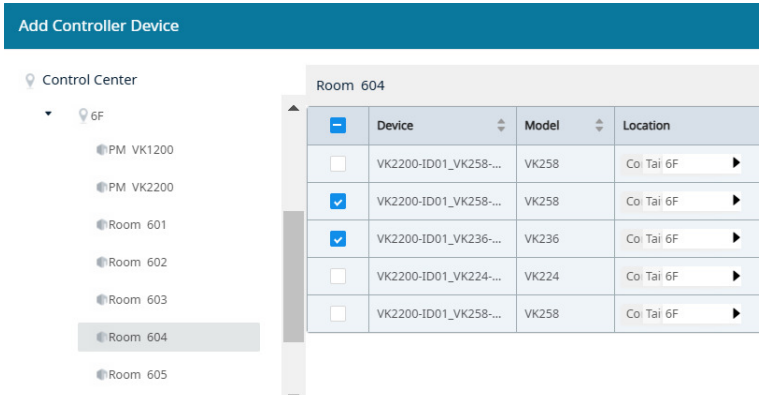
1. Go to **Automation > Controller** (Automation list), and click to select a task to be configured.
2. In the configuration panel, use the drop-down menus to specify the task details.

The screenshot shows the configuration panel for an automated task. At the top, there are three main configuration areas: a dropdown menu for task type (labeled 'a') set to 'Device Control', a dropdown for frequency (labeled 'b') set to 'once', and a date/time field (labeled 'At') set to '2024/12/30 16:04'. Below these is a 'Select Device' section with a dropdown menu (labeled 'c') set to 'Controller' and a plus sign button. Underneath is a table with two rows of target devices.

	Location	Room	Device
	Co Tai 3F	AWR	VK2100A
	Co Tai 6F	Room 604	VK2200

- a) Select a task type.
 - ◆ **Room Scenario:** Select this option to create a task using self-configured actions (control items). For more information on creating control items, see *Control System User Manual*.
 - ◆ **Device Control:** Select this option to create a reboot task.
 - b) Configure the frequency and time to execute the task.
 - c) If you select **Device Control** in step 2 (a), click the drop-down menu to select a target device type.
3. Add target devices or rooms.
 - a) Click the add button **+** in the configuration panel.
 - b) In the pop-up window, click to select one or more target devices or rooms.

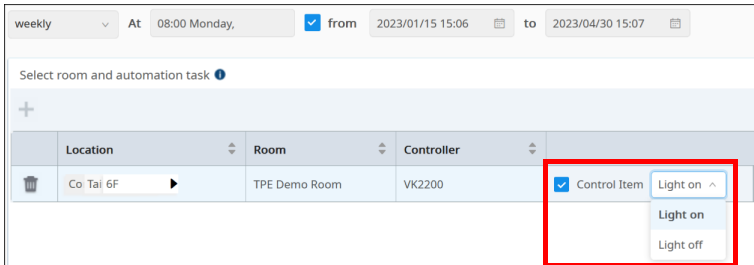
Hint: Use the deployment tree on the left to help you navigate between rooms.



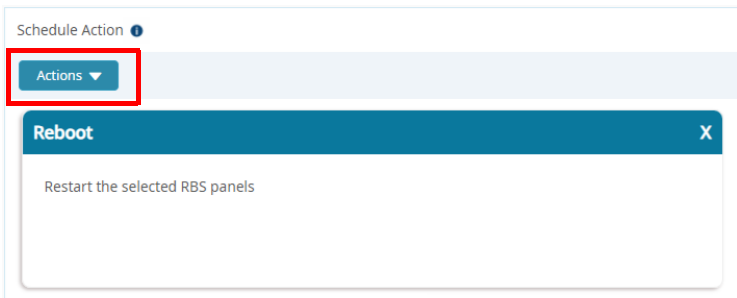
c) Click **OK** to add the selected devices or rooms.

4. Configure tasks.

- ◆ For a **Room Scenario** task: Click to enable control items and use drop-down menus to configure the task. For example:



- ◆ For a **Device Control** task: Click **Actions** to add control actions. For example:

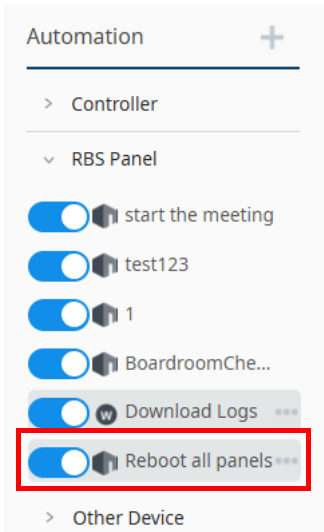


5. Click **Save** to apply the changes.

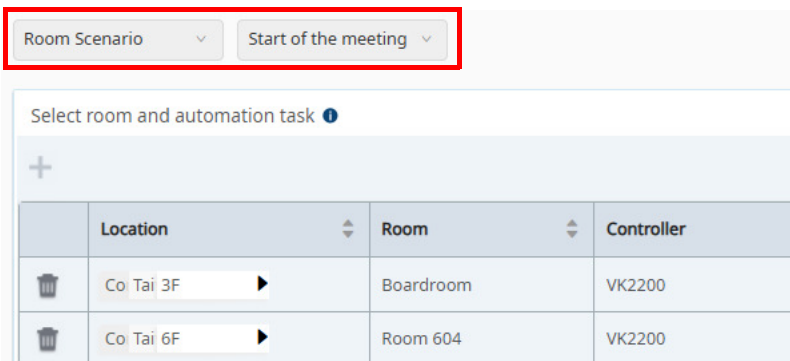
Configuring an Automated Task for Room Booking System

After adding an automated task, follow the steps below to configure the schedule, target devices/rooms, and actions.

1. Go to **Automation > RBS Panel** (Automation list), and click to select a task to be configured. For example:



2. In the configuration panel, use the drop-down menus on the top row to specify the task details.



- a) Select a task type.

- ◆ **Room Scenario:** Select this option to create a task using self-configured actions (control items). For more information on creating control items, see *Control System User Manual*.

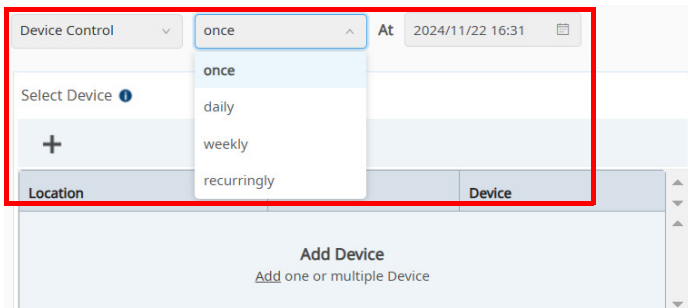
- ◆ **Device Control:** Select this option to create a reboot task for RBS panels.

b) Configure the sub-level settings.

- ◆ For a **Room Scenario** task, select a scenario. When the selected scenario occurs, the specified task (to be configure in step 3) will be executed.

Scenario	Description
Start of the meeting	This is when any user checks in the meeting.
End of the meeting	The is when any user checks out the meeting.
Before the meeting ends	<ul style="list-style-type: none"> ◆ This is when the meeting is left with a defined duration of time (e.g. 5 minutes), as specified in the Room Booking System. ◆ When the meeting is left with the defined duration of time, the RBS panel signals with a notification sound.
Reserved	This is when the target room is reserved.
Release rooms	This is when the target room becomes available.

c) For a **Device Control** task, configure the frequency and schedule.



3. Add target rooms or devices.

- Click the add button **+** in the configuration panel.
- In the pop-up window, click to select one or more target devices or rooms.

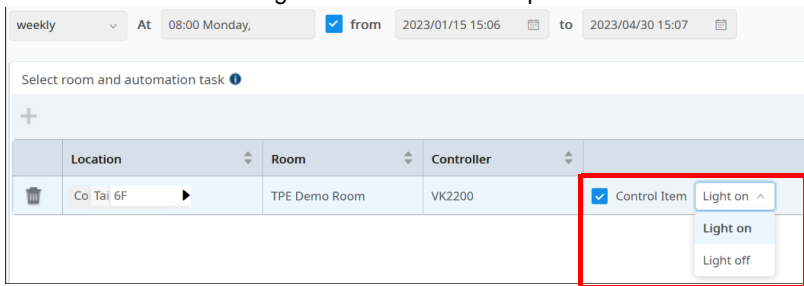
Hint: Use the deployment tree on the left to help you navigate between rooms.



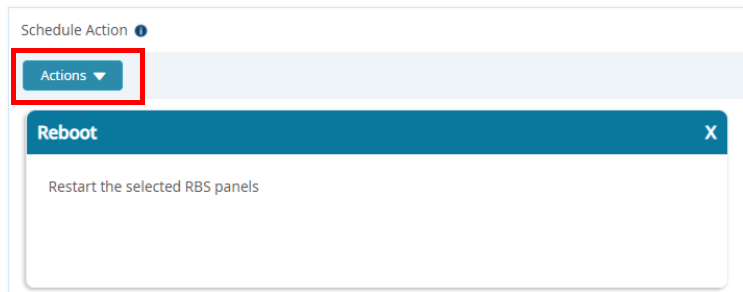
c) Click **OK** to add the selected devices or rooms.

4. Configure tasks.

- ◆ For a **Room Scenario** task: Click to enable control items and use drop-down menus to configure the task. For example:



- ◆ For a **Device Control** task: Click **Actions** to add control actions. For example:

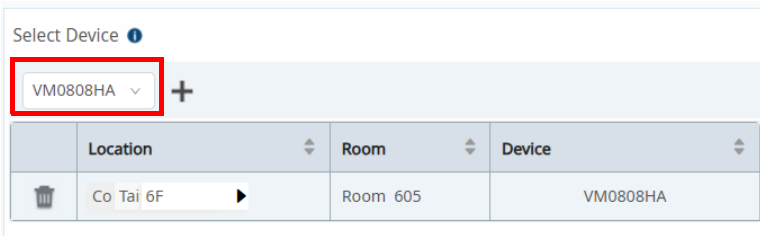


5. Click **Save** to apply the changes.

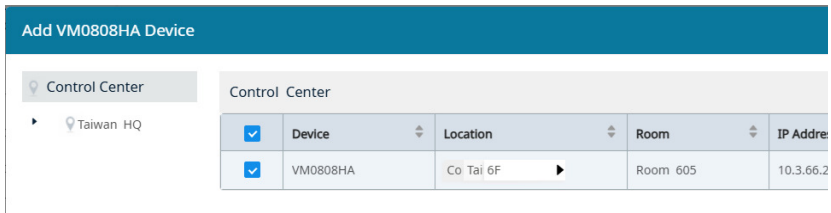
Configuring an Automated Task for Other Devices

After adding an automated task, follow the steps below to configure the execution schedule, target devices, and actions.

1. Go to **Automation > Other Device Schedules** (Automation list), and click to select a task to be configured.
2. From the range picker, configure the time or interval this task is to be executed.
3. Add target devices.
 - a) In the Select Device panel, click the drop-down menu to select the target device model.

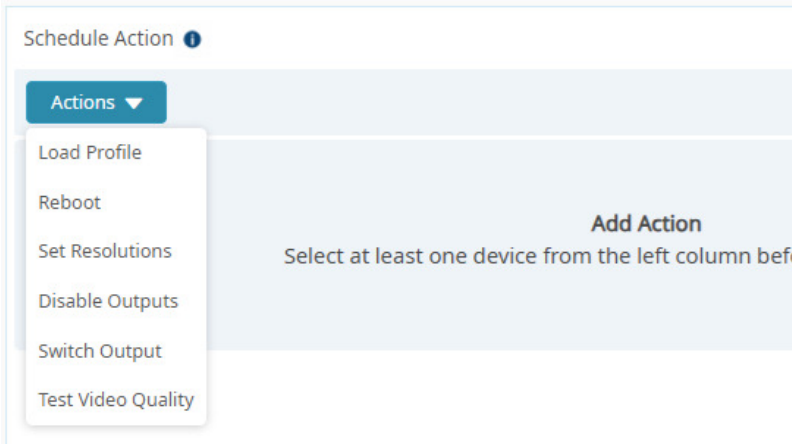


- b) Click **+**. All devices of matching model appear.



- c) Click to select one or more target devices and click **OK**.

4. From the Scheduled Action panel, click **Actions** ▼ to add actions.



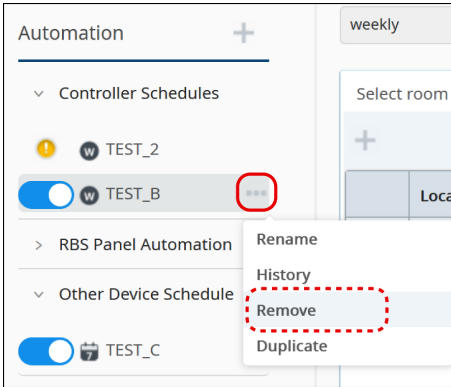
5. Click **Save** to apply the changes.

Managing the Existing Tasks

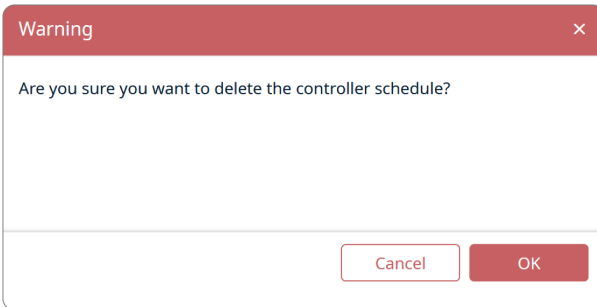
Automation tab on ATEN Unizon™ web console also allows users to plan, edit, remove, terminate or pause the repeated tasks.

Deleting a Task

1. Click the more button **⋮** next to the task to be deleted, and select **Remove** from the option menu.

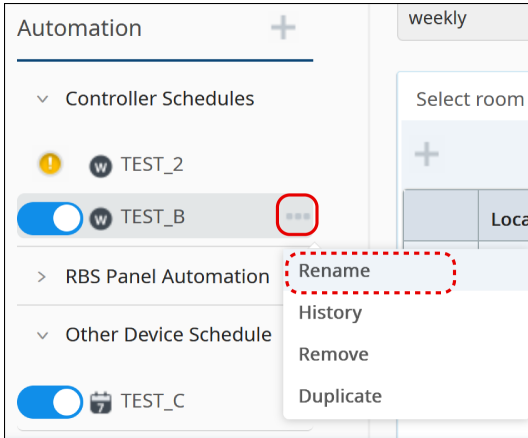


2. Confirm your action by clicking **OK** on the warning dialog.

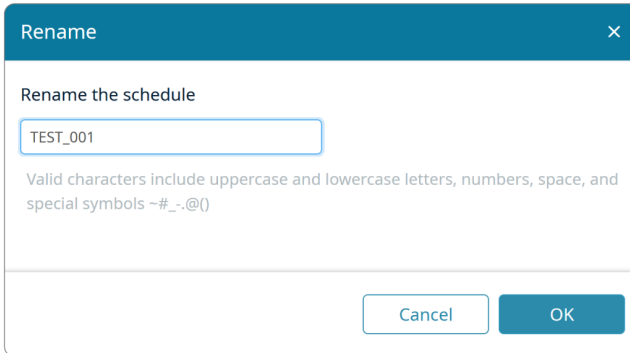


Renaming the Task

1. To rename a task, click the more button of a task and then select **Rename** from the option menu.



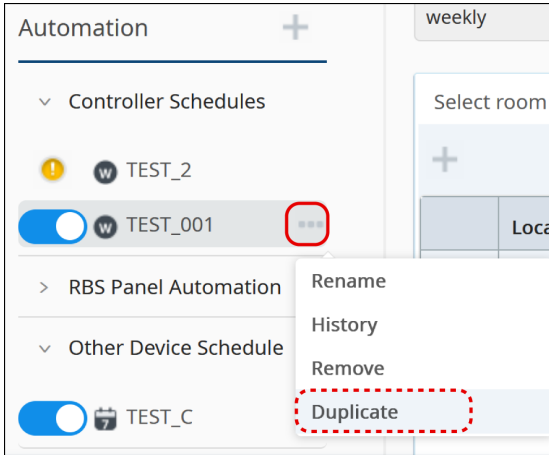
2. Enter the new name for this task and click **OK** to save the change.



Copying a Task

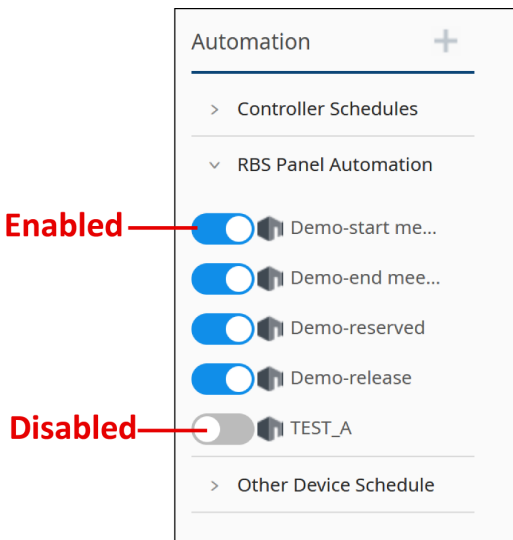
You can copy an existing task and make change from it if necessary.

1. Click the more button next to the task you'd like to copy.
2. Select **Duplicate** to make a copy.



Enabling / Disabling the Task

Simply click the switch of the task to enable or disable this task.



Editing a Task

Click to select the task to be edited, and make change from it on the configuration panel. Make sure to save the task to make your changed settings take effect.

The screenshot shows a configuration panel for automation tasks. On the left, there is a sidebar with 'Automation' and a list of 'Controller Schedules' including 'TEST_2' and 'TEST_001'. The main area displays a task configuration for a 'weekly' schedule at '00:00 Sunday' from '2023/01/20 16:51' to '2025/01/31 16:51'. Below this is a table titled 'Select room and automation task' with columns for Location, Room, Controller, and Control Item. Two tasks are listed in the table.

Location	Room	Controller	Control Item
Co Tai 6F	TPE Demo Room	VK2200	<input checked="" type="checkbox"/> Control Item Light on
Control Ce	ISE_Demo	VK2100	<input type="checkbox"/> Control Item Start...

Buttons for 'Cancel' and 'Save' are located at the bottom right of the configuration area.

Chapter 5

Data Analytics

Overview

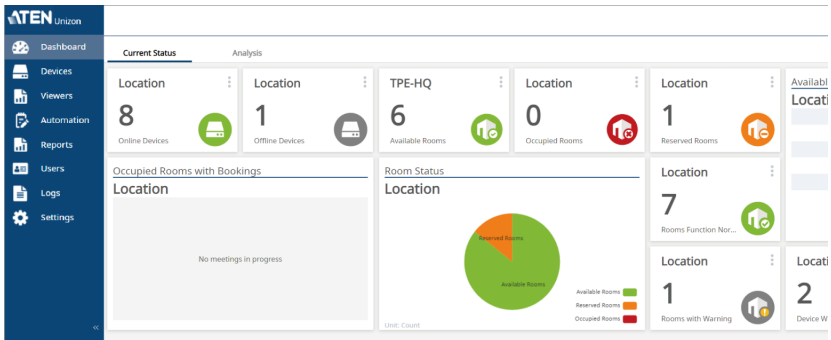
ATEN Unizon™ provides the analytics service to convert the acquired data into easily discerned charts and generate the chart reports on your managed devices / rooms. With the graphical data and numerical summaries, users can easily scrutinize the detecting data across multiple managed devices and rooms and therefore extrapolate the possible issues and take the further action.

Dashboard

Dashboard, the first page that you enter upon logging into ATEN Unizon™ web console, presents a collection of cards to convey information about your managed devices / rooms at a glance. The two tabs, Current Status and Analysis, include all the default dashboard cards that display the real-time data aggregation as described in the following sections.

Current Status Cards

On the Dashboard panel, you can view real-time status of Unizon's managed devices and rooms. ATEN Unizon™ can store up to 40 current status cards on this panel.



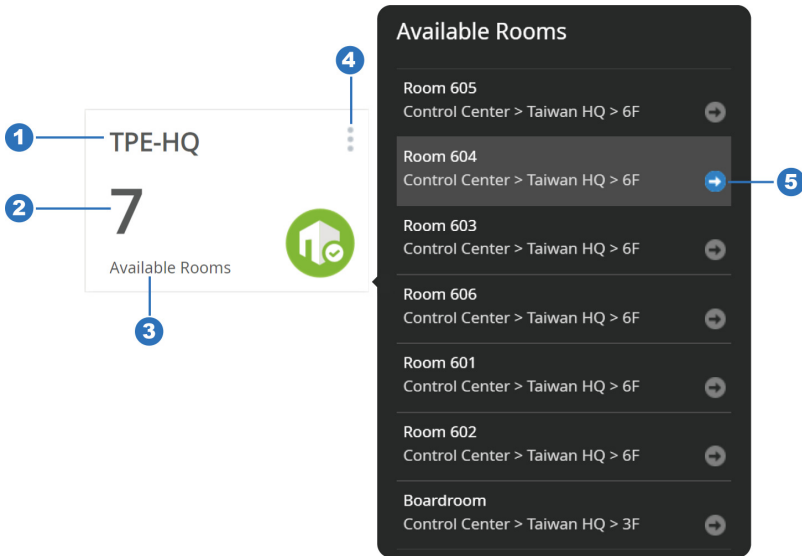
Refer to the table below for a list of cards.

Current Status Card	Description
Online Devices	Showing the count of the device(s) that are successfully connected to your ATEN Unizon™ or controllers.
Offline Devices	Showing the count of the device(s) that are disconnected from your ATEN Unizon™ or controllers.
Available Rooms	Showing the count of the room(s) which are available for the users to book or use.
Occupied Rooms	Showing the count of the room(s) in current use.
Reserved Rooms	Showing the count of the rooms that are booked on the calendar servers previously and need to be checked-in at the present time.
Available Rooms with Bookings	Listing the details about the available time for the available room(s).
Occupied Rooms with Bookings	Listing the detailed information on the occupied rooms, including the host, the subject, and the meeting time.
Room Status	Giving the information about available rooms, reserved rooms, and occupied rooms in a pie chart to represent the room status by proportional slices.
Rooms Function Normally	Showing the count of the rooms all of whose devices function normally.

Current Status Card	Description
Rooms with Warning*	Showing the count of the rooms whose device(s) does not function normally.
Device Warning*	Showing the count of the device(s) or the connected device(s) with warning messages.
Device Alert*	Showing the count of the device(s) or the connected device(s) with alert messages.
User Requests	<ul style="list-style-type: none"> ◆ Showing the submitted user request(s). ◆ When you mouse over it, a Close icon and an arrow appear. Click the arrow to go to the related page. Click Close to close the user request.

Note: The levels of warning and alert are determined by the configuration on VK6000.

The metric cards, which show the numeric value, display the card elements as described in the table below:

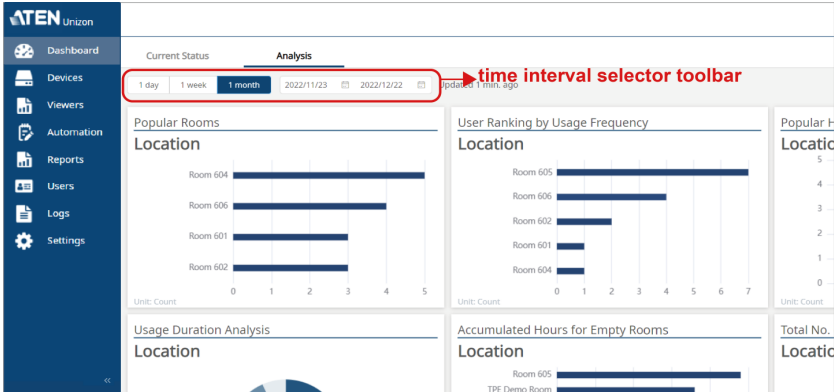


Item	Description
1	The location name defined by the one who created or edited this card.
2	The summary number of the query data.
3	The card's title.

Item	Description
4	The more button which reveals the additional details and the options for this card when the cursor is on it.
5	The navigation arrow button for redirecting to the related page.

Analysis


Analysis is an interactive page that displays the visualization data about the room usage. Define the time interval or duration from the toolbar to present the following query data in charts.

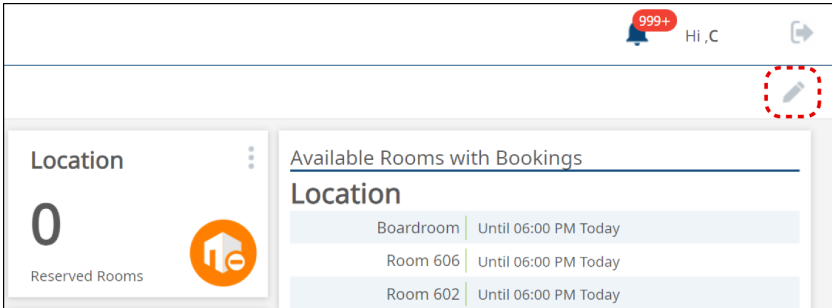




Refer to the table below for different types of analysis cards.

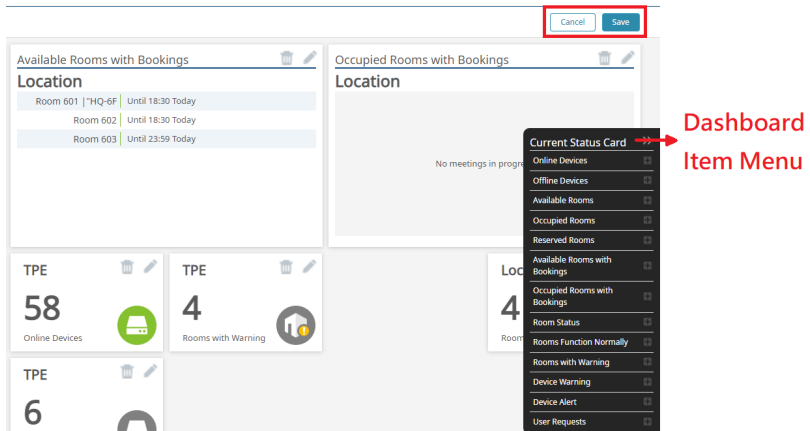
Analysis Card	Description
Popular Rooms	Showing the ranking data of the room use frequency in a bar chart.
User Ranking by Usage Frequency	Ranking the employees who make room reservation the most frequently in a bar chart.
Popular Hours	Displaying the time slots on the horizontal axis and the count / duration of the held meetings on the vertical axis to present the peak meeting time in a column chart.
Usage Duration Analysis	Representing the length of time that the meetings are held by slices to illustrate the proportion in a pie chart.
Accumulated Hours for Empty Rooms	Displaying the total amount of time that the rooms are unused in bar chart.
Total No. of Missing Check-in by Room	Ranking the reserved rooms which no one checked in.
Total No. of Missing Check-in by Person	Ranking the employees who made prior room reservation but didn't check in eventually.
Total No. of Each Reservation Method Used	Representing the booking methods by slices to illustrate the proportion in a pie chart.
Total No. of Disconnection by Device	Showing how many times the devices broke the connection.
Custom Card	Showing an analysis of a custom-made card. See , page 82.

Card Management

Users are able to create, delete, and arrange the dashboard cards to customize the dashboard layout. Simply click the edit button  at the top-right corner of the dashboard to enter the edit mode.



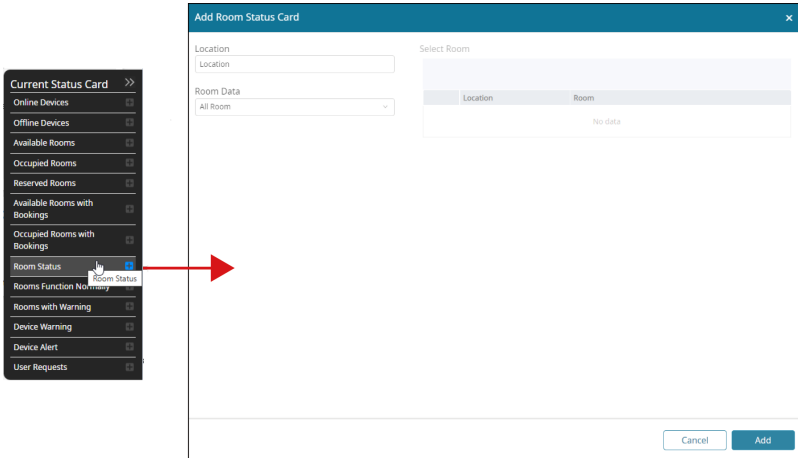
Once you enter the edit mode, you will see a dashboard item menu located on the lower-right of the screen, and each dashboard card is with a delete button  and a edit button . To resume in **Dashboard** normal view, please click the button **Cancel** or **Save** on the top-right.



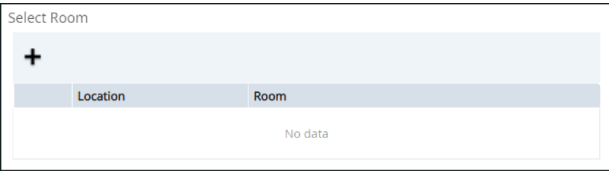
Note: By default, the 12 types of **Current Status** cards and the 9 types of **Analysis** cards are displayed on the dashboard. Users can make changes to the dashboard cards in the edit mode, and the modifications of **Dashboard** are irreversible.

Adding a Card to the Current Status Tab

To add a new card to be displayed on **Current Status** tab:



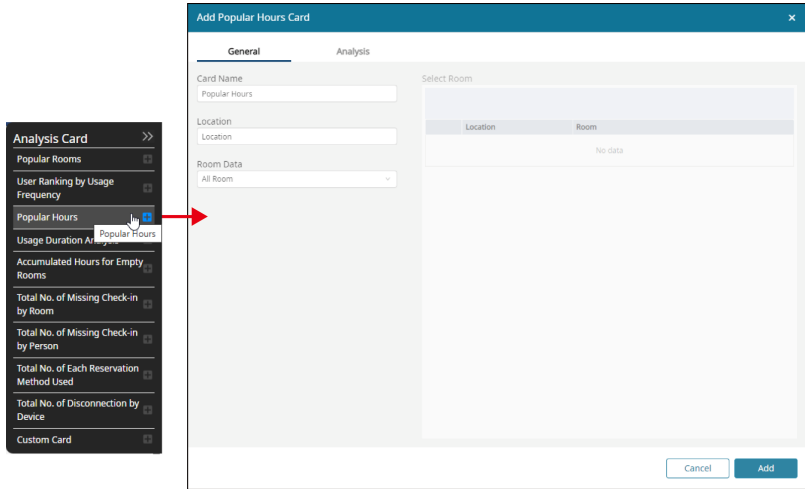
- In the edit mode, click the card type to be created on the dashboard item menu of the **Current Status** tab. A pop-up window appears for you to create a new card, and on the card details pop-up window, define the scope to be presented.

Item	Description
Location	Specify the location name to be displayed on this dashboard card.
Room Data	Determine the data to be presented. Please select between "All Room" and "Select Room".
Select Room	<p>This function is only available when "Room Data" is set to be "Select Room".</p> <p>Click on the add button + to open the "Add Room" pop-up window, and select the room(s) you'd like to show by checking its checkbox. Click OK to complete your selection.</p>  <p>The screenshot shows a table titled 'Select Room' with a plus sign (+) in the top left corner. The table has two columns: 'Location' and 'Room'. The table is currently empty with 'No data' displayed at the bottom.</p>

- Click on the button **Add** to create this card.

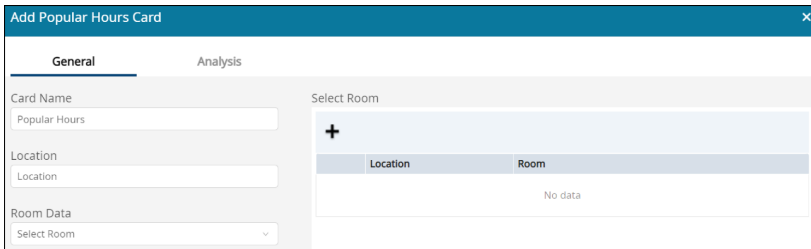
Adding a Card to the Analysis Tab

To add a new card to be displayed on **Analysis** tab:



1. In the edit mode, click the card type to be created on the dashboard item menu of the **Analysis** tab.
2. A pop-up window appears for you to create a new card. Define the scope to be presented.

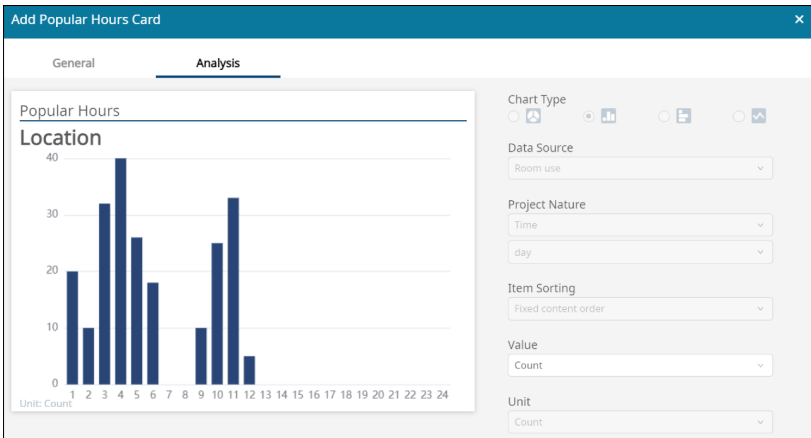
◆ **General Tab:**



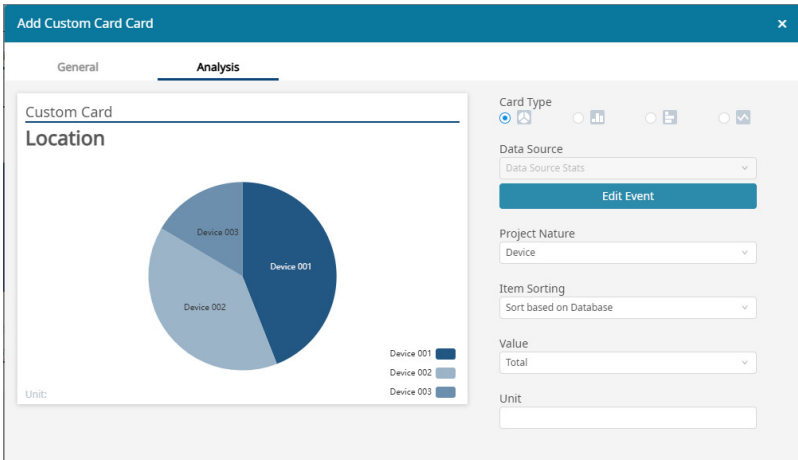
Item	Description
Card Name	Enter the name for this card as the card title.
Location	Specify the location name to be displayed on this dashboard card.
Room Data	Determine the data to be presented. Please select between "All Room", "Select Room", and "Select Device". Note: Only Custom Card supports the "Select Device" option.

Item	Description
Select Room	<p>This function is only available when “Room Data” is set to be “Select Room” or “Select Device”.</p> <p>Click on the add button + to open the “Add Room” / “Add Device” pop-up windows, and select the room(s) / device(s) you'd like to show by checking its checkbox. Click OK to complete your selection.</p>

◆ **Analysis Tab:**



◆ **Analysis Tab (Custom Card):**



Item	Description
Chart Type	This function is only available when creating Custom Card . Choose the type of the chart to present your data. Select between pie chart, column chart, bar chart, and line chart by clicking the radio button.
Data Source	<ul style="list-style-type: none"> ◆ Select the data source to be presented. ◆ For added devices only, click Edit Event to select a monitored item. See <i>Edit Event (Custom Card)</i>; page 82.
Project Nature	Determine the nature of the data sources to be presented.
Item Sorting	Choose ascending order or descending order to display the visualized data.
Value	Select the value you'd like to represent.
Unit	Define the unit to present your visual context.

Note: Depending on the card type you choose, not all of the above functions are available.

◆ Edit Event (Custom Card):

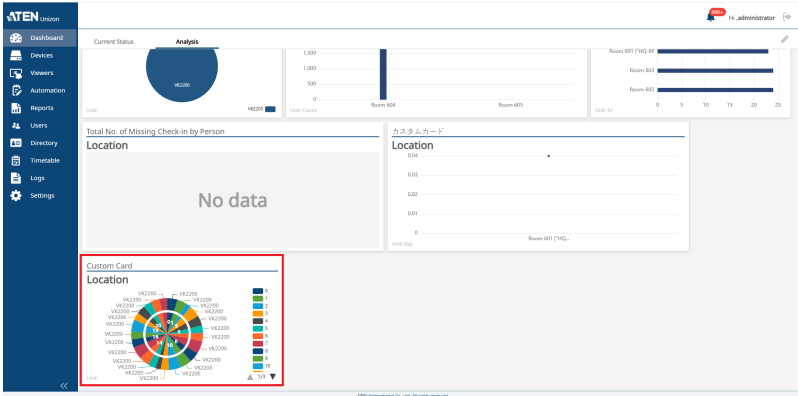
Select a monitored item and define the data you want the system to return. ⓘ

Location	Room	Device	Monitor Item
Co Tai 4F	Scenario	VK2200	Pin Code

Cancel Apply


Use the drop-down menu under Monitor Item to select a monitored item.

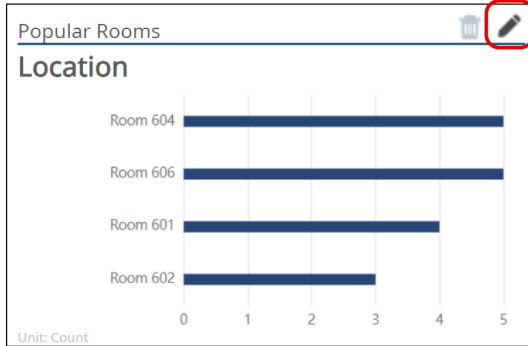
- Click on the button **Add** to create this card. The custom card appears in the dashboard page.



Editing the Existing Cards


To edit the existing dashboard card:

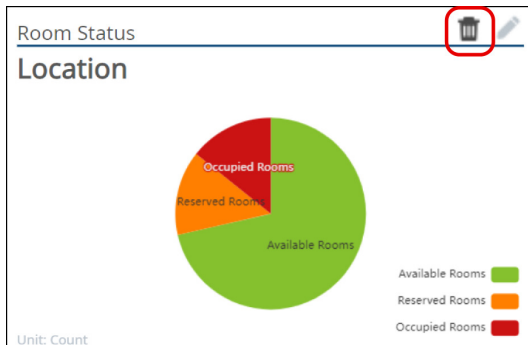
1. Click the edit button  on the card you'd like to make changes.



2. Specify the detailed information you'd like to inspect.
3. Click **OK** to finish editing.

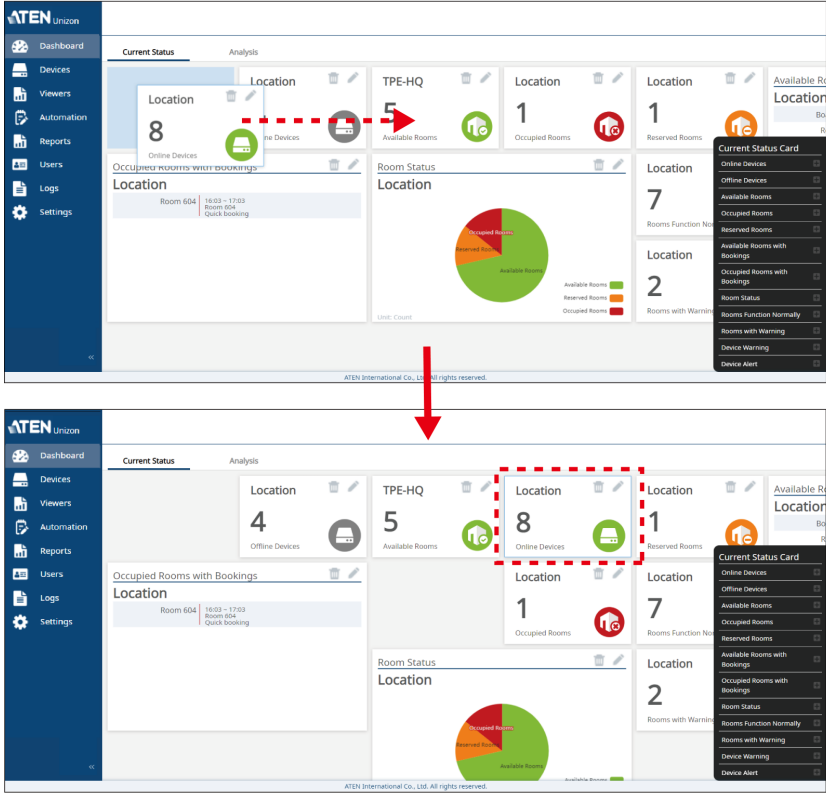
Removing the Cards

To delete the card(s) on the dashboard, simply click the delete button  on the card to remove it.



Arranging the Cards

To reorder the layout of **Dashboard**, drag and drop the card to the preferred position on **Dashboard** and release it to have it placed.



Report

ATEN Unizon™ web console gives the statistic report of the managed devices and rooms. Users can customized the report types based on their needs to get the raw information arises in the specified period collected and formatted into the digestible charts in reporting for facilitating proactive insights into device and room management.

Report Template Management

No.	Name	Generated By	Status	Frequency	Content	Last Run	Next Run
1	Test-4	Author	Success	Once	chart_raw data	2022-12-27 10:50:43	
2	Test-3	Author	Failed	Quarterly	chart_raw data	-	2022-10-30 09:00
3	Test-2	Author	Success	Monthly	Analysis	2022-12-27 09:00:00	2023-1-27 09:00
4	Title	Author	Failed	Once	Analysis	-	
5	Title	KC	Failed	Once	chart_raw data	-	
6	hhhhhhhh	Author	Failed	Once	Analysis	-	
7	R1	Author	Success	Once	Analysis	2022-12-21 10:58:23	
8	custo5kcccc	Author	Success	Weekly	Analysis	2022-12-26 09:00:00	2023-01-02 09:00
9	Title	Author	Success	Once	Analysis	2022-12-21 10:56:43	
10	Test-Weekly	Author	Success	Weekly	Analysis	2022-12-27 10:00:00	2023-01-03 10:00
11	Test	Author	Success	Once	Analysis	2022-12-19 17:34:05	
12	Title	Author	Failed	Once	chart_raw data	-	

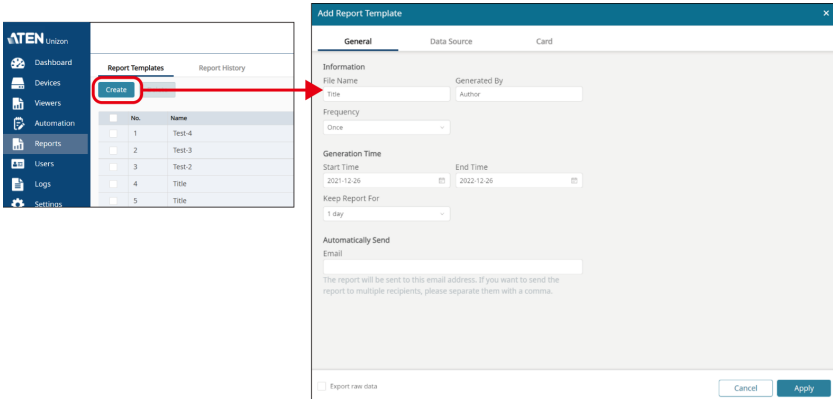
Report contains 2 tabs, **Report Template** and **Report History**. On the **Report Template** tab, all the existing report templates created by users are itemized with the following attributes:

Item	Description
Name	The name of the report.
Generated By	The one who created this report template.
Status	The result of the most recent report run.
Frequency	The regularity of generating the report.
Content	The report data format.
Last Run	The date this report was generated last time.
Next Run	The date this report will be generated.

Creating a New Report Template

To create a new report template:

1. On **Report Templates** tab, click the button **Create** to open **Add Report Template** pop-up window.



2. Go through the 3 tabs, **General**, **Data Source**, and **Card**, to define the information you'd like to get from this report.

◆ General

Item	Description
Information	
File Name	The name for this report template.
Generated By	The one who create this report.
Frequency	Determine how often the report is generated and sent.
Generation Time	
Start Time / End Time	Set the statistics period for this report by selecting the start time and the end time from the time picker.
Keep Report For	Set the duration to have the report history retained on your ATEN Unizon™ web console.
Automatically Send	
Email	Enter the email address(es) of the recipient(s) to receive this report. For multiple email addresses, please separate them by a comma with no space on either side.

◆ **Data Source**

Item	Description
Location	Specify the location name.
Room Data	Determine the data to be acquired. Please select between All Room and Select Room .
Select Room	This function is only available when Room Data is set to be Select Room . Click on the add button + to open the Add Room pop-up window, and select the room(s) you need by checking its checkbox. Click OK to complete your selection

◆ **Card**

You can set multiple cards to be included in the report.

- a) Click the add button under **Card List** or **Add a card** to reveal more options.

The first screenshot shows the 'Add Report Template' dialog box with the 'Card' tab selected. In the 'Card List' section, there is a '+' button circled in red. The main area displays 'No Cards Added' and an 'Add a card' button, also circled in red. A red arrow points from the 'Add a card' button to the second screenshot.

The second screenshot shows the 'Card List' with 'Popular Rooms' selected. The main area displays a horizontal bar chart titled 'Popular Rooms' showing the count for various rooms. The chart data is as follows:

Room	Count
Room 505	90
Room 504	50
Room 506	45
Room 502	35
Room 503	25
Room 501	15
Room 507	10

The right side of the second screenshot shows configuration options for the card, including Card Type (Popular Rooms), Card Name (Popular Rooms), Chart Type (Horizontal Bar), Data Source (Room use), Project Nature (Space), Item Sorting (Descending), Value (Count), and Unit (Count).

Item	Description
Card Type	Select the data you'd like to get from the drop-down menu. See <i>Analysis</i> , page 77 for details of each card item.
Card Name	Entitle this card.
Chart Type	This function is only available when you select Create New as the card type. Choose the type of the chart to present your data. Select between pie chart, column chart, bar chart, and line chart by clicking the radio button.
Data Source	Select the data source to be presented. This function is only available when you select Create New as the card type.
Project Nature	Determine the nature of the data sources to be presented. This function is only available when you select Create New as the card type.
Item Sorting	The default setting of how to display the data is Sort based on Database . You may choose ascending order or descending order to display the visualized data.
Value	Select the value you'd like to represent.
Unit	Define the unit to present your visual context.

Note: Depending on the card type you choose, not all of the above functions are available.

b) Repeat the aforesaid steps to add more cards to this report.

◆ **Export Raw Data**

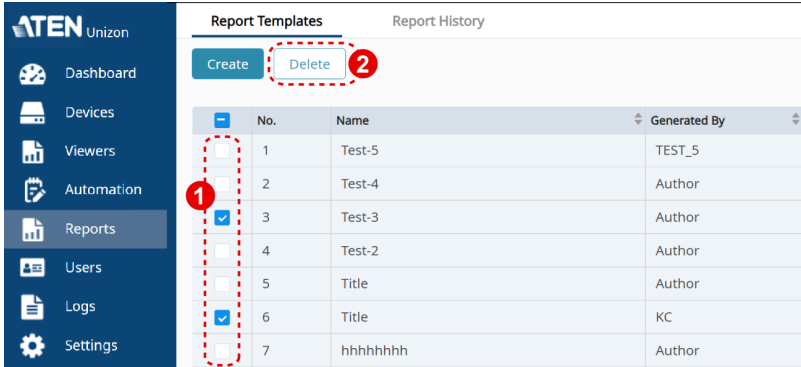
If you would like to get the raw data collected in your specified period, make sure to check the checkbox of **Export raw data**. The raw data report is output as a .csv file and compressed into a .zip file.



3. Click Apply to complete the creation.

Deleting Report Templates

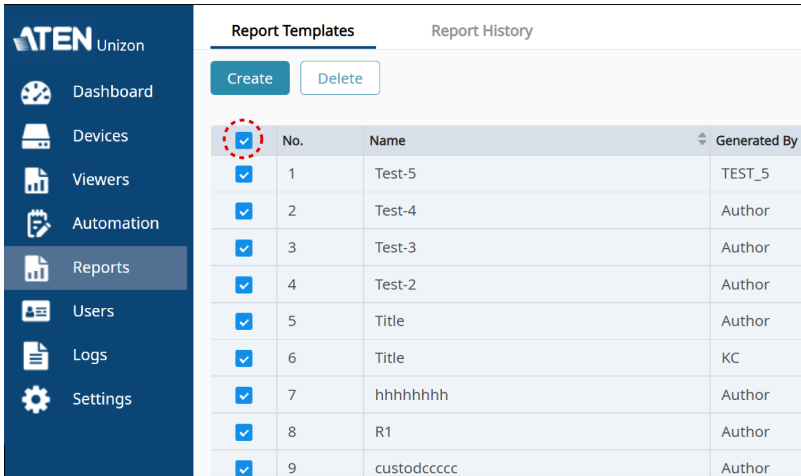
To delete the report template, click to select one or more reports to be removed from the **Report Template** page, and then click **Delete**. You can select multiple report templates to delete at a time.



The screenshot shows the 'Report Templates' page with a sidebar on the left containing navigation options: Dashboard, Devices, Viewers, Automation, Reports, Users, Logs, and Settings. The main content area has two tabs: 'Report Templates' (active) and 'Report History'. Below the tabs are 'Create' and 'Delete' buttons. A table lists report templates with columns for 'No.', 'Name', and 'Generated By'. The first checkbox in the 'No.' column is checked, and the 'Delete' button is highlighted.

No.	Name	Generated By
1	Test-5	TEST_5
2	Test-4	Author
3	Test-3	Author
4	Test-2	Author
5	Title	Author
6	Title	KC
7	hhhhhhh	Author


By checking the checkbox in the column header, all the report templates are checked.

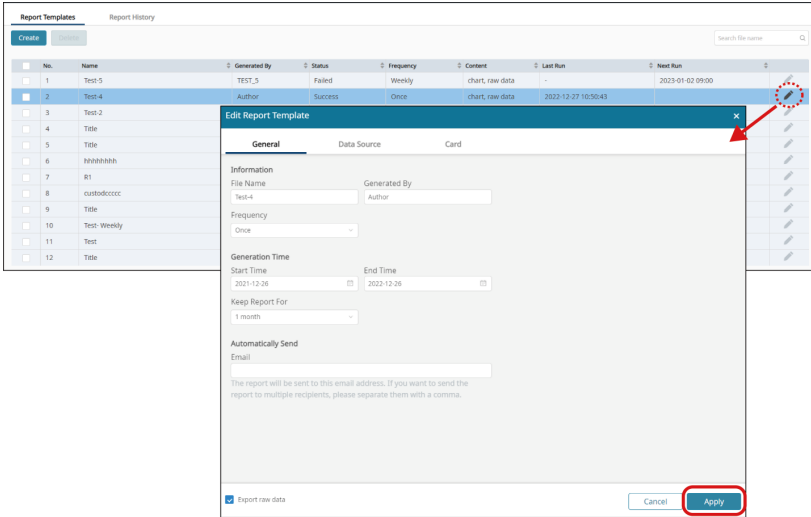


The screenshot shows the 'Report Templates' page with the same sidebar and tabs as the previous image. The 'Delete' button is now disabled. All checkboxes in the 'No.' column of the table are checked, including the one in the header row.

No.	Name	Generated By
1	Test-5	TEST_5
2	Test-4	Author
3	Test-3	Author
4	Test-2	Author
5	Title	Author
6	Title	KC
7	hhhhhhh	Author
8	R1	Author
9	custodcccc	Author

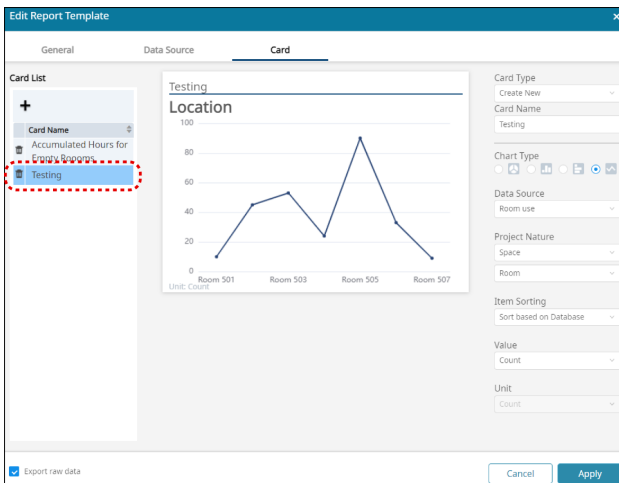
Editing Report Templates


To edit the report template, click the edit button  of this report to open the **Edit Report Template** pop-up window, make changes, and click **Apply** to save the changes.

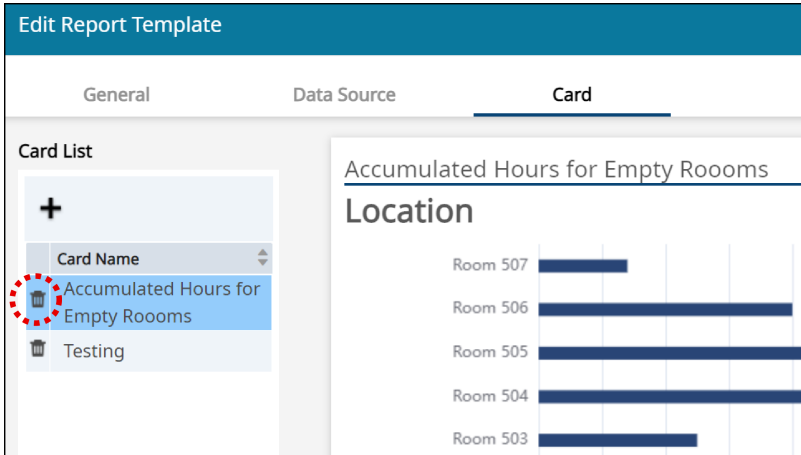


Editing the Configuration on Card Tab

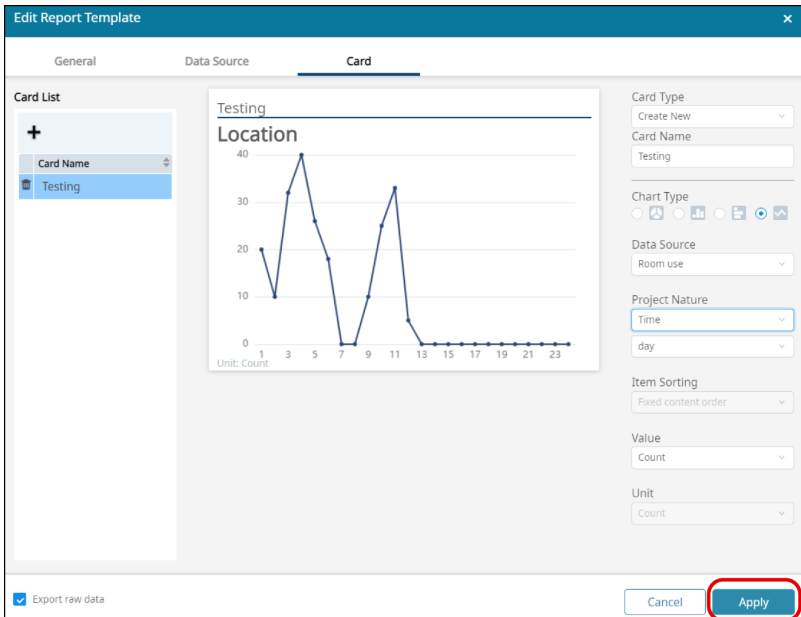
To edit the settings on **Card** tab, please click to select the card you'd like to edit and then make changes.



To delete the existing card type(s) on **Card List**, please click the delete button  of the card type to be deleted.



Make sure to click **Apply** to make the changed settings take effect.



Report History Management

Report Templates		Report History				
<input type="button" value="Download"/> <input type="button" value="Delete"/>		<input type="text" value="Search file name"/>				
No.	Name	Generated By	Content	Generated On	Keep Until	
1	Test-4	Author	chart, raw data	2022-12-28 15:10:53	2023-01-29 00:00:00	
2	Test-4	Author	chart, raw data	2022-12-27 10:50:43	2023-01-29 00:00:00	
3	Test-4	Author	Analysis	2022-12-27 10:49:34	2023-01-29 00:00:00	
4	Test-4	Author	Analysis	2022-12-27 10:48:13	2023-01-29 00:00:00	
5	Test- Weekly	Author	Analysis	2022-12-27 10:00:00	2023-01-29 00:00:00	

Report History lists the logs of the run reports which are in the valid period. Users are able to view the chart(s) the run report contains, and download the run report(s) on **Report History** tab.

The report history log(s) listed on **Report History** tab delivers the following information:

Item	Description
Name	The name of the report.
Generated By	The one who created this report template.
Content	The report data format.
Generated On	The date and the time this report ran.
Keep Until	The expiration date and time of this report history log. Once it is expired, it is automatically removed from the Report History tab.

Viewing the Run Report

To view the chart(s) of the run report, simply click on the history report log to be viewed to open a browser tab to display the chart(s).

The screenshot shows the ATEN Unizon interface. On the left is a navigation menu with options: Dashboard, Devices, Viewers, Automation, Reports, Users, and Logs. The main area is split into two panes. The left pane shows the 'Report History' table with 5 rows. The second row, '2 Test-4', is highlighted with a red box. A red arrow points from this row to the right pane, which shows a detailed view of the report. The report title is 'Test-4' by 'Author'. Below the title is a bar chart titled 'Accumulated Hours for Empty Rooms' with 'Location' on the y-axis and hours on the x-axis. The chart shows data for several rooms: Room 605, TPE Demo Room, Room 604, Boardroom, Room 601, Room 603, Room 606, and Room 602. The x-axis ranges from 0 to 210 hours.

Location	Accumulated Hours (Approximate)
Room 605	150
TPE Demo Room	100
Room 604	150
Boardroom	180
Room 601	150
Room 603	150
Room 606	150
Room 602	150

Removing the Report History

To delete the report history log(s), click to select one or more logs to be removed and then click **Delete**.

The screenshot shows the ATEN Unizon interface. On the left is a dark blue sidebar with navigation icons and labels: Dashboard, Devices, Viewers, Automation, Reports (highlighted), Users, Logs, and Settings. The main content area has two tabs: 'Report Templates' and 'Report History' (active). Below the tabs are two buttons: 'Download' and 'Delete'. The 'Delete' button is circled in red with a red '2' next to it. Below the buttons is a table with columns 'No.' and 'Name'. The first row of the table is circled in red with a red '1' next to it. The table contains the following data:

No.	Name
1	Test-4
2	Test-4
3	Test-4
4	Test-4
5	Test- Weekly
6	Test-2
7	Title

You can select multiple report history logs to delete at a time. Also, you can select all history logs by checking the checkbox in the column header.

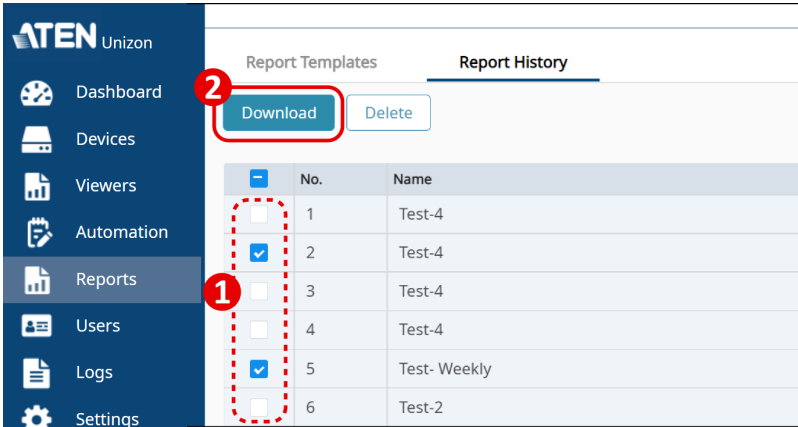
The screenshot shows the ATEN Unizon interface. On the left is a dark blue sidebar with navigation icons and labels: Dashboard, Devices, Viewers, Automation, Reports (highlighted), Users, Logs, and Settings. The main content area has two tabs: 'Report Templates' and 'Report History' (active). Below the tabs are two buttons: 'Download' and 'Delete'. The 'Delete' button is circled in red. Below the buttons is a table with columns 'No.' and 'Name'. The first row of the table is circled in red with a red '1' next to it. The table contains the following data:

No.	Name
1	Test-4
2	Test-4
3	Test-4
4	Test-4
5	Test- Weekly
6	Test-2

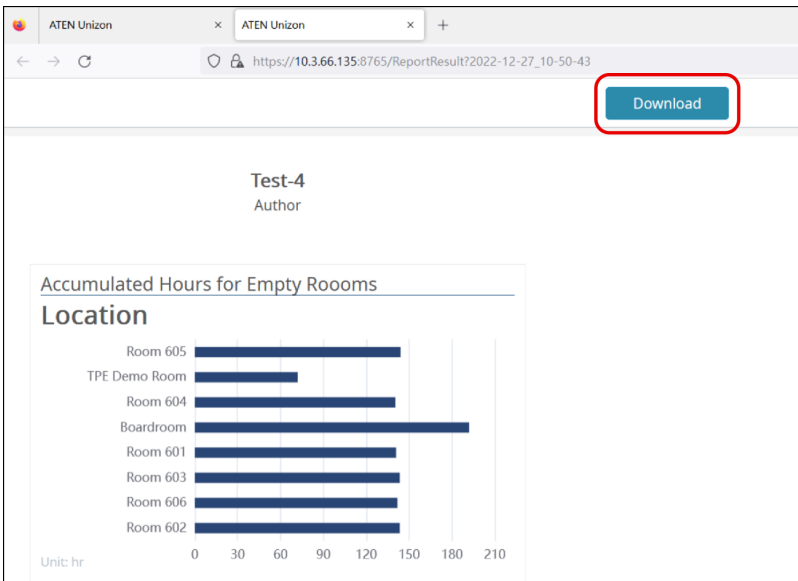
Downloading the Report History

To download the run report, you may:

- ◆ Check the checkbox of the report log to be download, and then click **Download**. You can download multiple reports at a time.



- ◆ Click the run report to open the browser tab, and then click the download button on this tab page.



Data in the Report

Please note that the latest data the report contains will be the data on the previous day before generating the report.

Besides, the report only contains the data which meets all the criteria you set. For example, the criteria for disconnection are set to be the period from September 5th to September 6th, and the disconnection of device A occurred at 11 p.m. on September 6th and it reconnected to the system at 12:10 a.m. on September 7th. Because only the start time of the disconnection meets the criteria, this disconnection log will be filtered.

Chapter 6

Administrator Settings

Overview

The functions described in this chapter are administrator-only, unless specified otherwise. Use any administrator account to manage and configure these settings. For a comparison of account privileges, see *User Accounts*, page 98. ATEN Unizon™ includes a built-in administrator account with the following default credentials:

- ◆ Username: administrator
- ◆ Password: password

Note:


- ◆ This built-in account can not be removed and its username is not configurable.
 - ◆ You will be prompted to change the default password upon first login.
-

User Accounts

Set up user accounts to grant and control access to the web console and the added remote devices. ATEN Unizon™ supports two types of user account – *administrator* and *standard user*. See the table below for a comparison on supported privileges.

Functions	Administrator	Standard User
Edit dashboard cards	✓	✓
View device status	✓	✓
Add, edit, or remove devices	✓	
Configure monitoring preferences	✓	
Access to device web consoles	✓	
Import or export system configuration	✓	
Initiate remote actions	✓	
Create, edit, or remove event schedules	✓	
Create, edit, or remove user accounts	✓	
Add or configure user directory	✓	
Create report templates	✓	
Download reports	✓	✓
View system logs	✓	✓
Upload SSL certificate	✓	
Change interface language	✓	✓
Change TLS version	✓	
Configure system HTTPS port	✓	
Configure backup, synchronization, and database settings	✓	
Update system license	✓	
View event logs	✓	
Perform ATEN Unizon™ updates	✓	

Adding a User Account

1. Open the web console and go to the **Users** tab.
2. Click  . The Add User window appears.
3. Configure the account.
 - a) In the **Basic** tab, fill in the required information and select the user type. For username and password, enter 1 ~ 30 alphanumeric characters and/or special characters. The username and password are case-sensitive.

Add User
×

Basic

Access

Username

User Name

Valid characters include uppercase and lowercase letters, numbers, and special symbols (~#_-.@).

Password

●●●●●●●●

Valid characters include uppercase and lowercase letters, numbers, space, and special symbols (~#_-.@).

Confirm Password

●●●●●●●●

Valid characters include uppercase and lowercase letters, numbers, space, and special symbols (~#_-.@).

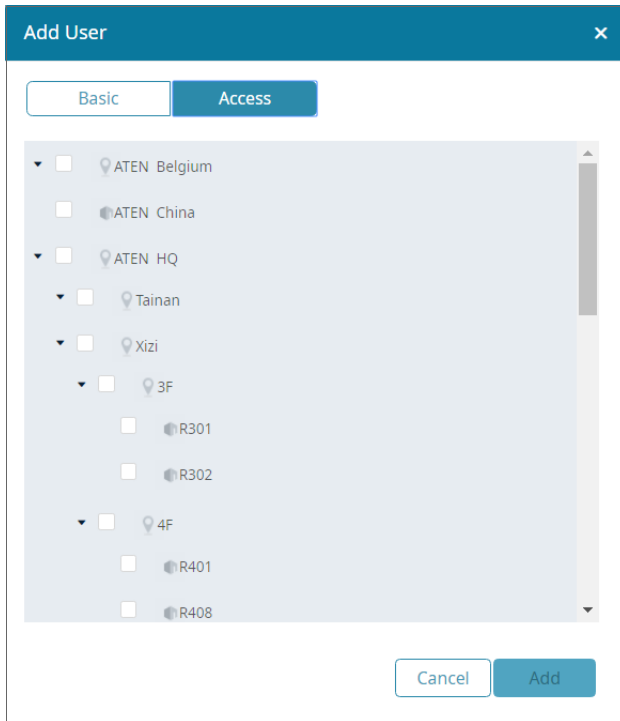
User Type

Administrator Standard User

Cancel

Add

- b) Click the **Access** tab and then select locations and/or rooms to grant privilege to access devices installed at these places.

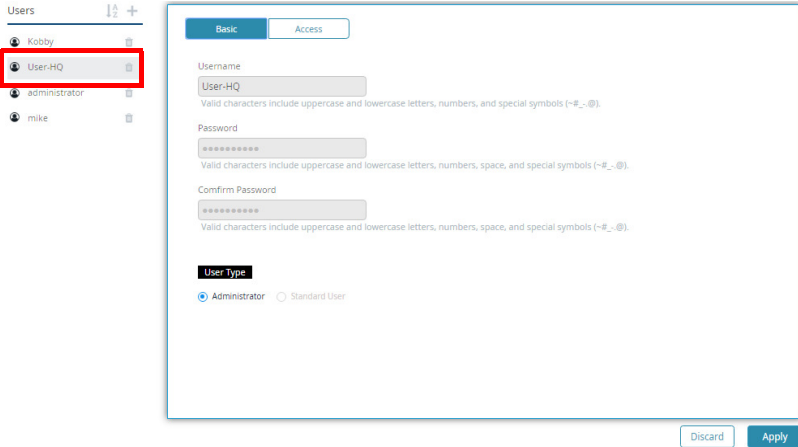


4. Click **Add** to create the account.

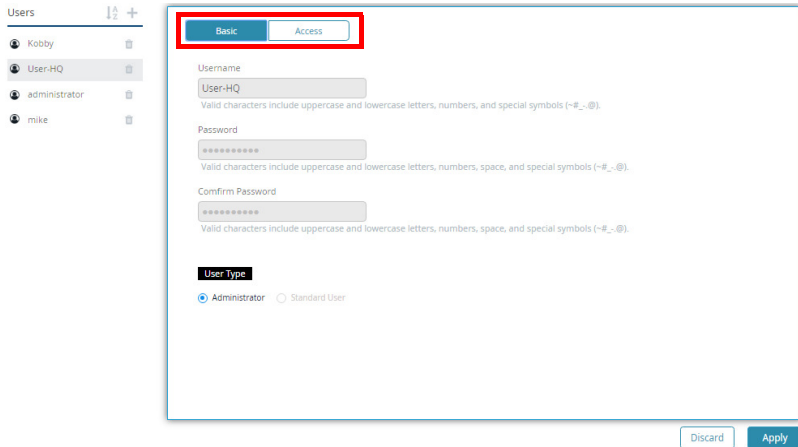
Editing a User Account

1. Open the web console and go to the **Users** tab.
2. Click the account you wish to edit.

Hint: Click  to sort the Users list in alphabetical order.




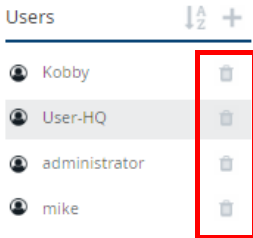
3. Click the **Basic** and **Access** tab to configure the account.



4. Click **Apply** to save the settings.

Removing a User Account

1. Open the web console and go to the **Users** tab.
2. In the Users list, click  next to the account you wish to remove.



Note: The built-in administrator account can not be removed.

User Directory

Use user directory to configure access privileges to rooms managed by ATEN Room Booking System.

Preparation

Make sure you have updated your systems to any of the following supported versions:

- ◆ ATEN Unizon™ v2.4 or later
- ◆ ATEN Room Booking System v1.6 or later

User Management

#	User Name	Display Name	Email Address	Group	Employee ID	Organization	Location	RFID No.
1	Ashley	Ashley	Ashley					BSA40508
2	Mike Tsao	Mike	miketso@aten.com.tw					B3BA67GA
3	Christine	Christine	christinechen@aten.com...			ATEN HQ	New Taipei City	
4	Chris Chang		ccc					
5	Raymond Wang		111					
6	Tiffany	Tiffany Wang	ctiffanywang@aten.com.tw					23D95880A
7	多麗		< fefefef					
8	russia RBU		russia@aten.ru					
9	fff		fff					
10	333		sssss					

Function	Description
Create New	Click to create user for room access. See <i>Creating Users for Room Access</i> , page 104.
Edit	Select user and click edit to edit user(s) information. See <i>Modifying User Settings</i> , page 105.
Import List	Click to import a list of users for room access.
Export List	Click to export the user list for backup or future use.
Delete	Select user and click to delete selected user(s).
Search	Use the drop-down menu to select a desired search option to search for user(s).

Creating Users for Room Access

1. Log in to ATEN Unizon™ with an administrator account.
2. Go to **Directory**. This screen appears.

The screenshot shows the 'Directory' screen with tabs for 'User' and 'Group'. The 'User' tab is active. At the top, there are buttons for 'Create New', 'Edit', 'Import List', 'Export List', and 'Delete'. Below these is a table with the following data:

<input type="checkbox"/>	#	User Name	Display Name	Email Address
<input type="checkbox"/>	1	Tiffany Wang	Tiffany Wang	tiffany@etd.tw
<input type="checkbox"/>	2	Ashley		Ashley
<input type="checkbox"/>	3	Mike Tsao	Mike	from@etd.tw

3. In the User tab, click **Create New**. This screen appears.

The screenshot shows the 'Create New' form. It has a blue header 'Create New' and a sub-header 'Add'. Below the sub-header is a table with the following columns: '#', 'User Name*', 'Display Name', 'Email Address*', 'Group', and 'Employee ID'. The table is empty, and the text 'No data' is displayed below it.

4. Click **Add**. A blank entry appears.

The screenshot shows the 'Create New' form after clicking 'Add'. The table now has one row with the following data:

<input type="checkbox"/>	#	User Name*	Display Name	Email Address*	Group
<input type="checkbox"/>	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	

5. Fill in the user information.

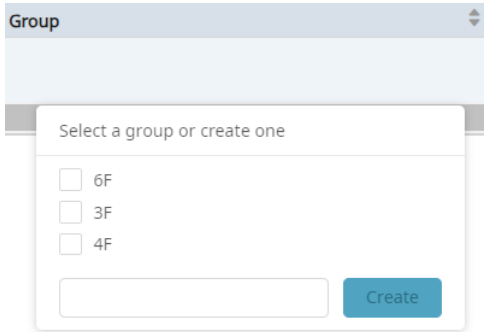
Note:

- ◆ Make sure to fill in fields marked with an asterisk (*) and use different inputs for display name, email address, RFID No., and PIN code.
- ◆ Optionally configure the Status field to indicate if the user is actively using the access card.

6. Assign access privilege using the Group column.

Note: Alternatively, you may configure access privilege using the Group tab. For more details, see *Creating an Access Group*, page 107.

a) Click on the group field. A list of created groups appears.



b) Select one or more groups that you wish to add the user into. Create a new group if needed.

Note: To look up access rights of each group, go to **Directory > Group**.

7. Click **Apply**. The user is added to the user list.

User		Group			
<div style="display: flex; justify-content: space-between; align-items: center;"> Create New Edit Import List Export List Delete </div>					
#	User Name	Display Name	Email Address	Group	
1	Tiffany Wang	Tiffany Wang	tiffany@etd.tw	4F	6F
2	Ashley		Ashley	4F	6F
3	Mike Tsao	Mike	from@etd.tw	4F	6F
4	Christine	Christine	christinechen@aten.com....	6F	

Modifying User Settings

To modify settings for **one user**:

1. Log in ATEN Unizon™ with an administrator account.
2. Go to **Directory**.

3. In the User tab, double-click on the user and then click the **Edit** button. This screen appears.

The screenshot shows the 'Edit User' interface. At the top, there is a blue header with the text 'Edit User'. Below the header, a message reads: 'Make sure to fill in the required fields (indicated with *) and use different inputs for display name, email address, RFID No., and PIN code for a user.' Below this message is a table with the following columns: '#', 'User Name*', 'Display Name', 'Email Address*', 'Group', and 'Employ'. The table contains one row with the following data: '# 1', 'User Name* Christine', 'Display Name Christine', 'Email Address* christinechen@aten.com.tw', 'Group', and 'Employ'. There are small dropdown arrows next to the column headers.

4. Modify the settings as needed.
5. Click **Apply** to save the changes.

To modify settings for **multiple users**:

1. Log in ATEN Unizon™ with an administrator account.
2. Go to **Directory**.
3. In the User tab, click to select multiple users and then click the **Edit** button. This screen appears.

The screenshot shows the 'Edit User' interface with a table containing four user entries. The table has columns: '#', 'User Name*', 'Display Name', 'Email Address*', 'Group', and 'Employ'. The entries are as follows:

#	User Name*	Display Name	Email Address*	Group	Employ
1	Tiffany Wang	Tiffany Wang	tiffany@etd.tw	4F × 6F ×	
2	Ashley		Ashley	4F × 6F ×	
3	Mike Tsao	Mike	from@etd.tw		
4	Christine	Christine	christinechen@aten.com.tw		

4. Modify the settings as needed.
5. Click **Apply** to save the changes.

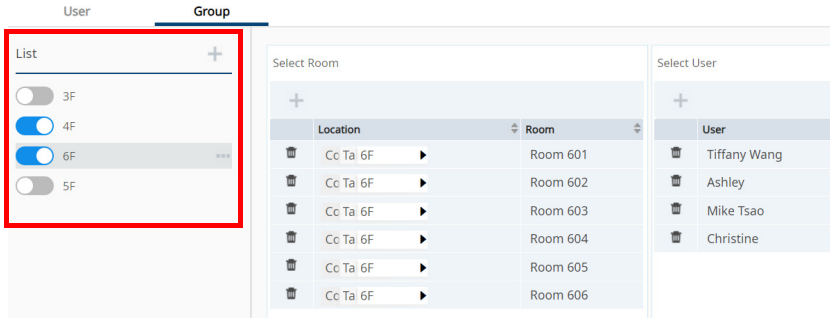
Access Groups

Understanding Access Groups

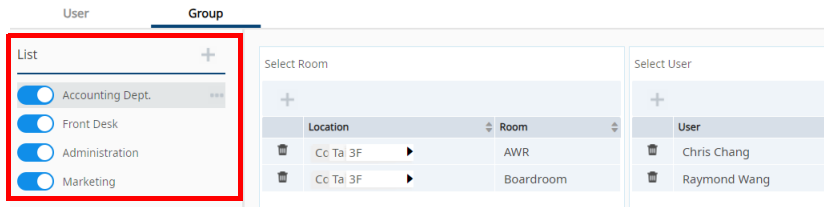
An access group is a user-customized setting which specifies the users and the locations that these users can access. You can create multiple access groups

to help you organize access privilege by location or by user type, as illustrated below.

Scenario 1: Access groups organized by location (e.g. floor number).



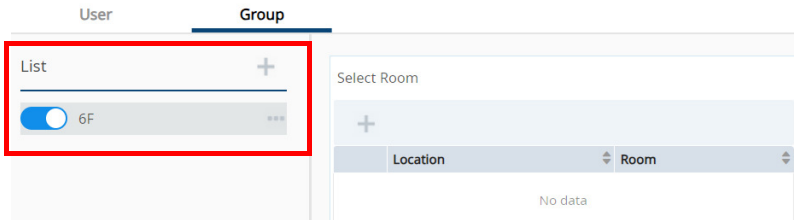
Scenario 2: Access groups organized by user attribute (e.g. department).



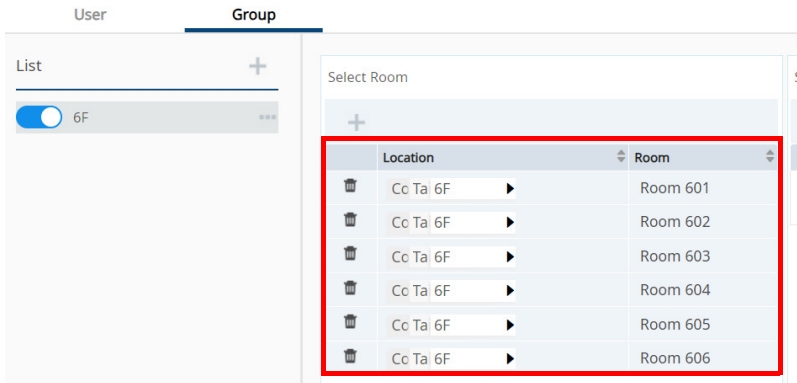
Creating an Access Group

1. Log in ATEN Unizon™ with an administrator account.
2. Make sure you have added the users to be assigned with access group. For details, see *Creating Users for Room Access*, page 104.
3. Go to **Directory > Group**.

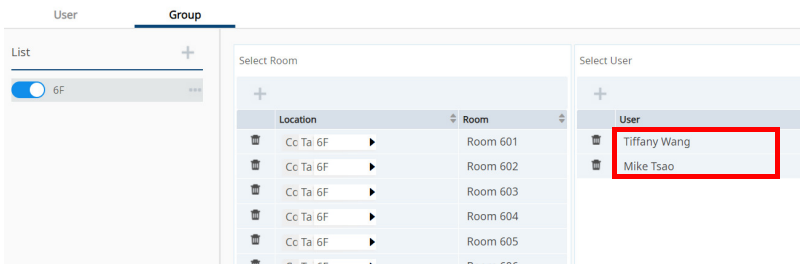
- In the List panel, click **+** and follow the on-screen instructions to add a group. Floor number is used as an example.



- In the Select Room panel, click **+** and follow the on-screen instructions to add one or more rooms to this group. For example:



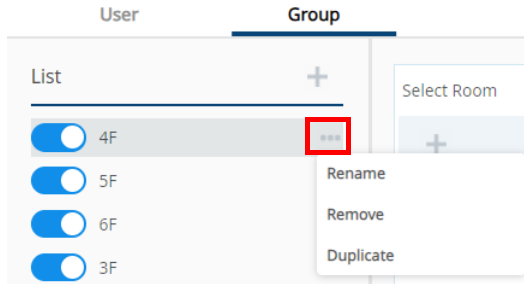
- In the Select User panel, click **+** and follow the on-screen instructions to add one or more users to this group. The selected users will have access to the room(s) listed on the left. For example:



- Click **Apply** to save the configuration. The created group is enabled by default.

Renaming, Removing, or Duplicating an Access Group

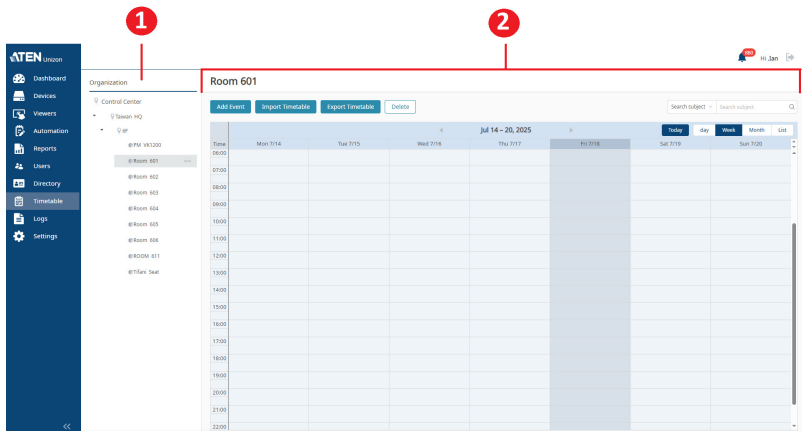
To rename, remove, or duplicate an access group, click on the indicated icon for the group to access these functions.



Timetable

Use Timetable to add, edit, or delete events, and import or export timetable for rooms managed by ATEN Room Booking System. This can also be used on the Current Calendar from the ATEN Room Booking System, under Device Configuration. The Timetable supports meeting room templates from the ATEN Room Booking System with bi-directional even syncing. Events added or rescheduled directly in the ATEN Room Booking System are synchronized with the Timetable for event tracking. For more information please see the ATEN Room Booking System User Manual.

Note: Timetable feature is only supported using Unizon software version v2.7.262 or later.



No.	Element	Description
1	Deployment Tree	Use the deployment tree to switch and add/remove Locations and Rooms. For more information, see <i>Deployment Tree</i> , page 21.

No.	Element	Description
2	Event Information Panel	<p>This panel displays the scheduled event information of the locations and rooms.</p> <ul style="list-style-type: none">◆ Add Event: Click to add event to a selected location or room. See <i>Adding Event</i>, page 112.◆ Import Timetable: Click to import a timetable to the selected location or room.◆ Export Timetable: Click to export the scheduled timetable of a selected location or room for backup or future use. Please note, when exporting, a timetable of only six months before or after the current date will be exported.◆ Delete: Click to delete event.◆ Search Subject / Search Host: Select to use the search function by subject name or host name.

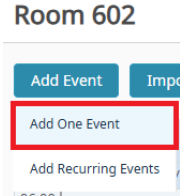
Adding Event

Adding one event or adding recurring events are available, each procedures are explained below.

Adding One Event


To add one event, follow the steps below.

1. Click **Add Event** and select **Add One Event**.



2. From the pop-up window, fill in the subject / topic, assign host / instructor and attendees, set date, start time, and end time.

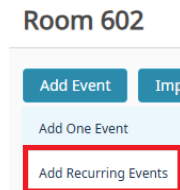
A screenshot of the 'Add One Event' pop-up window. The window title is 'Add One Event' with a close button (X). Below the title, it says 'Fields marked with an asterisk are required information.' There is a table with the following columns: '#', 'Subject/Topic*', 'Host / Instructor*', 'Date*', 'Start Time*', 'End Time*', 'Attendees', and 'Message'. The first row contains a trash icon, an empty text input field, a link 'Click to assign users', the date '2025-07-18', the start time '14:57', the end time '15:57', a link 'Click to assign groups', and an empty text input field. At the bottom right, there are 'Cancel' and 'Save' buttons.

3. To add more event, click **Add**, or click  to delete the event.
4. When done, click **Save**.

Adding Recurring Events

To add recurring events, follow the steps below.

1. Click **Add Event** and select **Add Recurring Events**.



- From the pop-up window, fill in the subject / topic, assign host / instructor and attendees, set date, start time, end time, and range of recurrence.

Add Recurring Events
✕

Event Information

Subject/Topic*

Host / Instructor*

Start Time*

End Time*

Attendees

Message

Range of Recurrence

Recurrence Pattern

Mon Tue Wed Thu

Fri Sat Sun

Start Date*

End Date*

Scheduled Event Days

Total: 1 day(s)

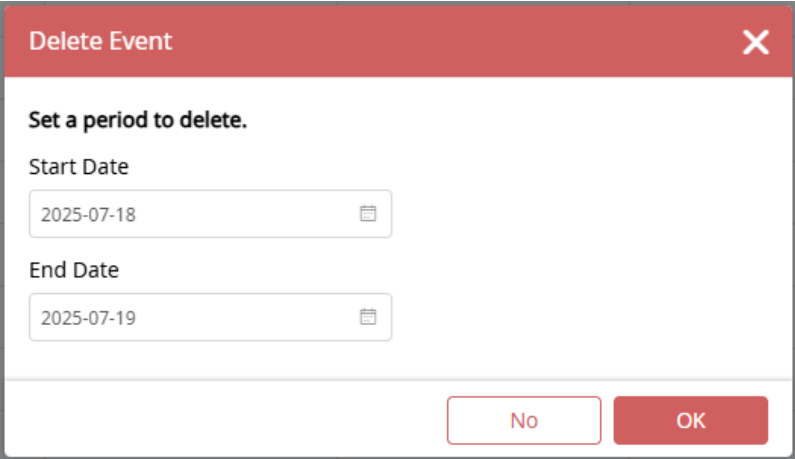
2025/07/18 2:16 PM

- When done, click **Save**.

Deleting Event

To delete events for a specified time frame, follow the steps below.

1. Click **Delete**.
2. From the pop-up window, set the start date and end date for a period of events to delete.



Delete Event ✕

Set a period to delete.

Start Date
2025-07-18 📅

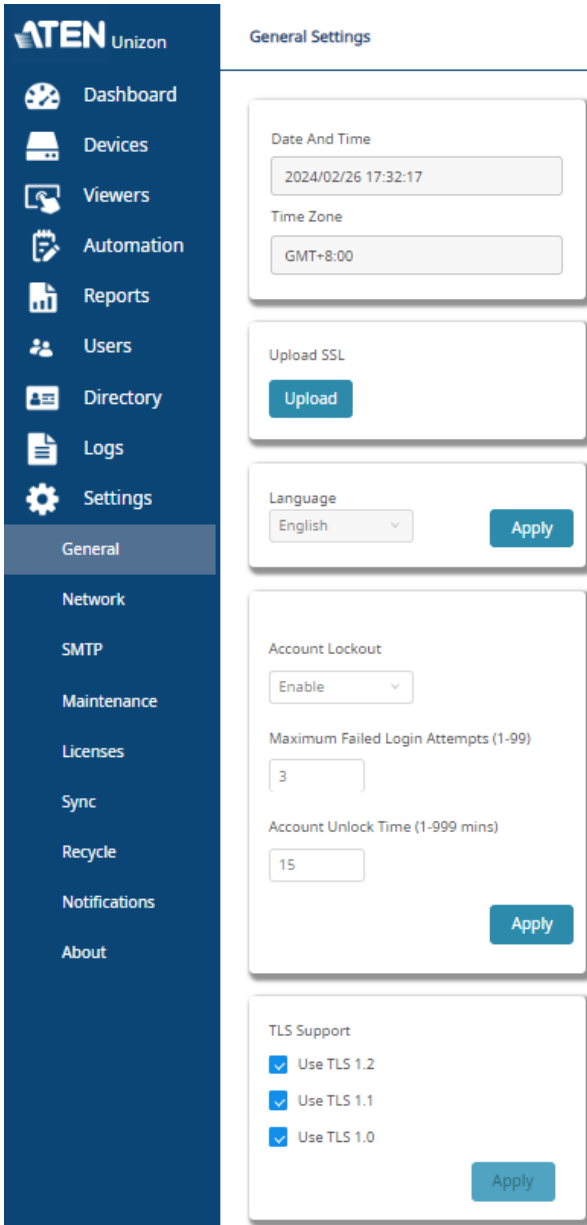
End Date
2025-07-19 📅

No OK

3. When done, click **OK**.

General

To configure basic system settings, open the web console and go to **Settings > General**.



ATEN Unizon

- Dashboard
- Devices
- Viewers
- Automation
- Reports
- Users
- Directory
- Logs
- Settings
- General**
- Network
- SMTP
- Maintenance
- Licenses
- Sync
- Recycle
- Notifications
- About

General Settings

Date And Time

2024/02/26 17:32:17

Time Zone

GMT+8:00

Upload SSL

Upload

Language

English

Apply

Account Lockout

Enable

Maximum Failed Login Attempts (1-99)

3

Account Unlock Time (1-999 mins)

15

Apply

TLS Support

- Use TLS 1.2
- Use TLS 1.1
- Use TLS 1.0

Apply

- ◆ **Date and Time/Time Zone:** Indicates the system date, time, and time zone. This information is directly retrieved from the computer to which ATEN Unizon™ is installed.
- ◆ **Upload SSL:** Secure the sessions between ATEN Unizon™ and the web browsers that access it, click the **Upload** button to upload an SSL Certificate.
- ◆ **Language:** Sets the interface language for ATEN Unizon™.

Note: The display language on ATEN Unizon™ login page is according to the language setting of the browser.

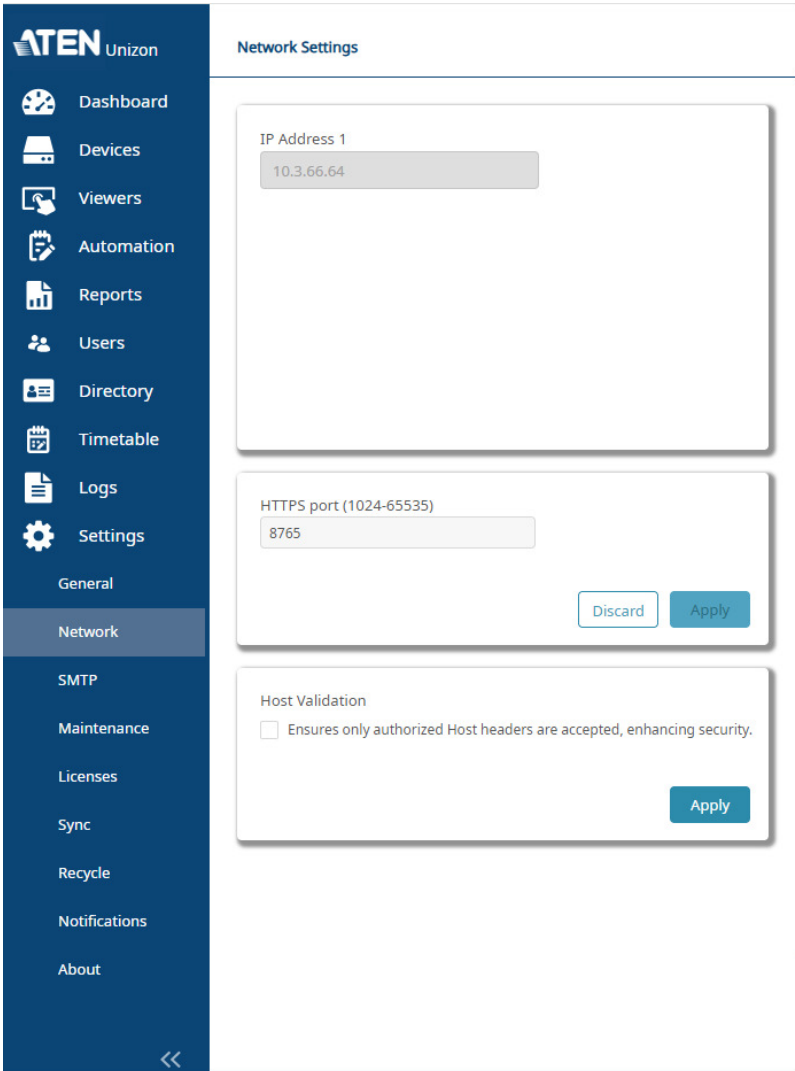
◆ **Account Lockout**

This setting is enabled by default. When enabled, an account will be locked for the specified duration when the maximum login attempt is reached and the login failed.

- ◆ **Maximum Failed Login Attempt (1-99):** Sets the number of allowed failed logins.
- ◆ **Account Unlock Time (1-999):** Sets the duration (1 to 999 minutes) for which the account is locked when the maximum failed login attempt is reached.
- ◆ **TLS Support:** Sets the TLS for ATEN Unizon™. Note that a higher TLS version requires more bandwidth to process.

Network

To configure the HTTPS port, open the web console and go to **Settings > Network**.



- ◆ **IP Address:** Indicates the IP address of the web console.
- ◆ **HTTPS Port:** Sets the communication port for the web console.
- ◆ **Host Validation:** Enable to enhance the security by accepting only the authorized host headers.

SMTP Settings

Complete the following SMTP settings for sending notifications to your designated recipients through email.

The image shows a web-based configuration form for SMTP settings. It includes several input fields and checkboxes. The 'Server IP Address / Domain' field contains '10.0.1.36'. The 'Service Port' field contains '25'. The 'Sender Email Address' field contains 'Unizon_support@aten.com.tw'. There is a checkbox for 'SMTP server requires authentication' which is unchecked. Below it are fields for 'Username' and 'Password', both of which are empty. There is also a checkbox for 'Set password' which is unchecked. At the bottom, there is a 'Send notifications to' field which is empty, followed by a note: 'To send multiple emails, separate them with a comma.' Below this note is a 'Test SMTP' button. At the very bottom of the form are two buttons: 'Discard' and 'Apply'.

- ◆ **Server IP Address / Domain:**
The IP address or host name of your SMTP server.
- ◆ **Service Port:**
Input the port number for connecting to your SMTP server.

◆ **Sender Email Address:**

The email address of the sender to be shown in the email header “from” to identify who submitted the notification.

◆ **SMTP server requires authentication:**

Check the checkbox if SMTP authentication is required, and then enter the following information:

Item	Description
Username	Your SMTP username (whose format is email address).
Set password	Check the checkbox to enable the password field.
Password	The password to verify the SMTP username.

◆ **Send notification to:**

Input the email address of the recipient who will receive the notification email(s). For multiple email addresses, please separate them by a comma with no space on either side.

◆ **Test SMTP**

To test the input recipient above can actually receive notification successfully.

◆ **Discard:**

To withdraw the settings.

◆ **Apply:**

To apply the changed settings.

Configuration Backup and Restore

To manually start a backup of the system configuration, open the web console and go to **Settings > Maintenance**. Unselect the settings that are not required and click **Start Backup**.

Back up the following data to the client PC.

Backup options

- Dashboard settings
 - Include device data
- Report Templates
 - Include generated reports
- Automation settings
 - Include execution history
- Users related information
- Logs
- SMTP & notification settings
- Timetable data

Backup Option	Data to be backed up
Dashboard settings	Location, User, and Dashboard
Include device data	Device
Report Templates	Location, and Report rules
Include generated reports	Report history, and the report files (raw data xls)
Automation settings	Schedule, Automation, Device, and User
Include execution history	Schedule history and Automation history
Users related information	Location and User
Logs	Notification log and System log
SMTP & notification settings	SMTP settings and Notification settings
Timetable data	Timetable

To restore system configuration, go to **Settings > Maintenance**, and then click **Restore Database**.

Restore the database using the selected file. It is necessary to reboot service after restoring.

Restore Database

Note: It is suggested that backing up all the backup options to prevent important data loss. The data of the unselected backup options will be all cleared and restored to the default settings after you executed Restore Backup.

Licenses

From the web console, use the Licenses page to:

- ◆ View total number of supported devices for your current license and the number of devices that can be added to ATEN Unizon™
- ◆ Import a renewed license
- ◆ Generates the system SID file

To access the License page, go to **Settings > Licenses**.

The screenshot shows the ATEN Unizon web console interface. On the left is a dark blue sidebar with a navigation menu. The 'Licenses' option is highlighted in a lighter blue. The main content area is titled 'License Updates' and contains a white box with the following information:

- License & Plug-ins Applied**
 - Standard License
 - Timetable Plug-in
- Number of Supported Devices**: 500
- Number of Available Devices**: 481
- License allows updates until**: Lifetime

Below this information is a blue 'Upgrade' button and the text 'No License File'. At the bottom of the white box, there is a blue information icon followed by the text: 'Do you want to update the license for ATEN Unizon? [Export the PC's ID file](#) and contact your system integrator'.

For more information about the license policy and detailed instructions on how to renew and import a license, see:

- ◆ *Licensing Policy*, page 4
- ◆ *Purchasing and Importing a New License*, page 12.

Synchronization

By default, the names of the managed devices in ATEN Unizon™ takes priority when these devices reconnect to ATEN Unizon™. In this case, if device names are different from the names in the end devices, the name in the end devices will be overwritten. To change this priority, open the web console and go to **Settings > Sync**.

Synchronization Rules

When there is a conflict of device name for a standalone device on the device and on Unizon, follow the priority below to unify the device name.

- Use the device name on Unizon.
- Use the device name on the device.

Discard

Apply

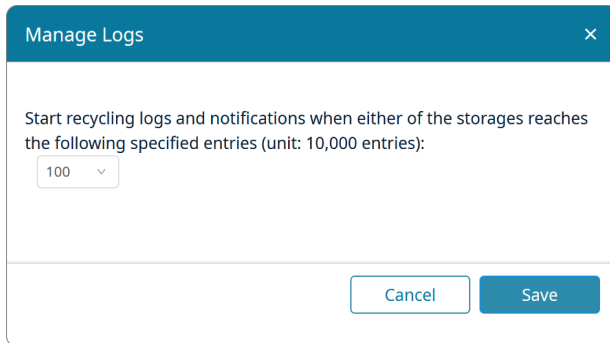
Storage Management

The ATEN Unizon™ database keeps all notification messages, event logs, and system configuration. Note that when the database storage is full, new events, notification messages, and configuration to the deployment tree will not be saved. In this case, you will be notified with a pop-up message. To resolve the issue, do one or more of the following:

- ◆ Add hard drives to the system database.
- ◆ If you have other data stored in the hard drive where you keep the ATEN Unizon™ database, consider moving the data to another location to make space.
- ◆ Recycle old data using the Manage Logs function.

Note: Do not remove any ATEN Unizon™ data from the folder view as this may cause system errors.

- a) Go to **Settings > Recycle** in the web console, and click **Manage Logs**. This screen appears.



Manage Logs

Start recycling logs and notifications when either of the storages reaches the following specified entries (unit: 10,000 entries):

100

Cancel Save

- b) Click the drop-down menu to select the maximum number of entries allowed to keep in the database.
- c) Click **Save**.

Notifications and Log Settings

You can disable/enable events which ATEN Unizon™ logs and sends notifications for. Open the web console and go to **Notifications**. The following screen appears.

To save and apply your configuration, click "Apply".

Category	Severity	Event	Logs / Recent	Logs / Notifications	Send Email
User management	Information	User account added successfully	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User management	Information	User account removed successfully	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User management	Information	User settings modified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User management	Information	User access right modified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User management	Information	User type changed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
System	Information	Server upgraded	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
System	Warning	Unable to upgrade the server	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
System	Information	License updated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
System	Warning	Unable to update the license	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

By default, ATEN Unizon™ logs all event types:

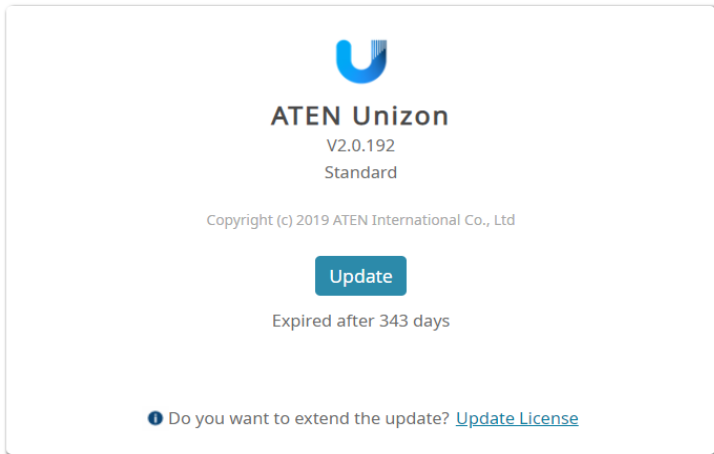
- ◆ **System:** System includes 2 kinds of logs, system event and system task. System events are those related to server upgrades, license updates, SSL certificate updates, database backup/restore, and administrator password reset. System tasks are those related to adding, removing, configuring, and execution of event schedules.
- ◆ **User management:** User management events are those related to adding, removing, configuring of user accounts.
- ◆ **Device Management:** Device management events are those related to adding, removing, configuring of managed devices.
- ◆ **Device:** Device events are those related to device status change/warning and device firmware upgrades.
- ◆ **Device trap:** Device trap events are critical or abnormal device status that require users' attention, for example, power supply being removed or high device temperatures.

About

Use the About page to do any of the following:

- ◆ Find out about the version of ATEN Unizon™
- ◆ Find out the current license type. Click **Update License** to redirect to the Licenses page. For a detailed procedure on renewing licenses, see *Purchasing and Importing a New License*, page 12.
- ◆ Click the **Update** button to perform ATEN Unizon™ updates

To access the About page, open the web console and go to **Settings > About**.

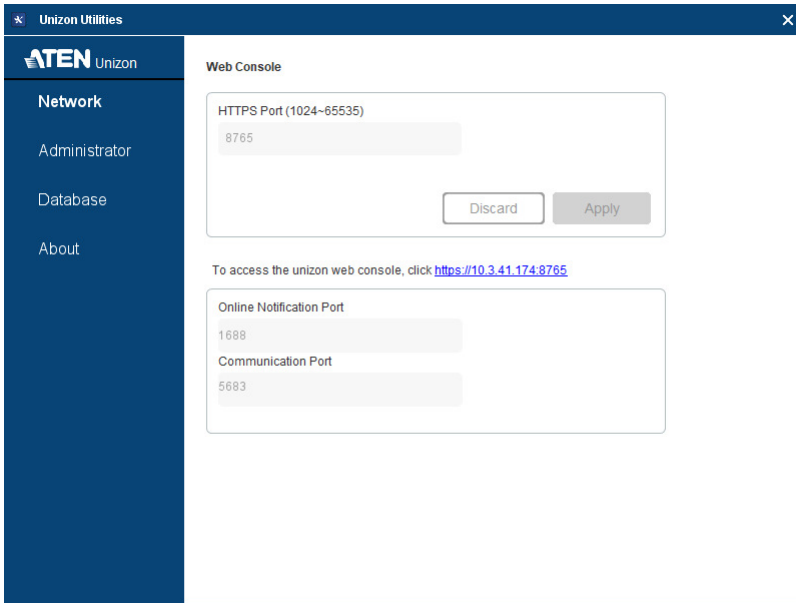


ATEN Unizon™ Utility

The ATEN Unizon™ Utility is an application which provides the convenience of configuring the basic network settings, login credentials for the Unizon™ web and database servers, and for resetting the service license.

Configuring the Web HTTPS Port

1. From the web server computer, go to **Start > Unizon Utilities**. This window appears.



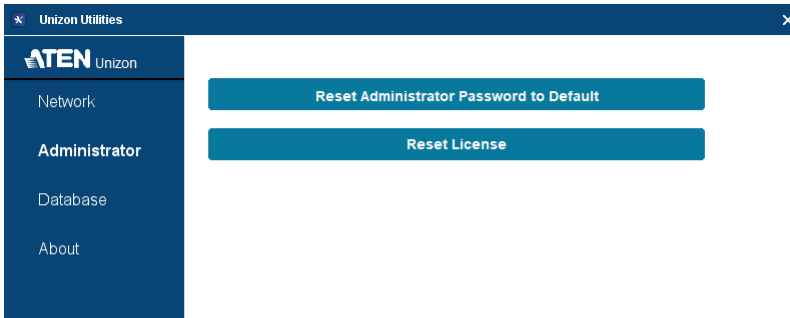
2. Type the HTTPS port and click **Apply** to change the setting. ATEN Unizon™ will restart shortly to apply the setting.

Note: The online notification and communication ports are not configurable. Make sure to reserve these ports to allow notifications of connection resumption and status change to send through to ATEN Unizon™.

Resetting the Administrator Password

To reset the administrator password to default, follow the steps below.

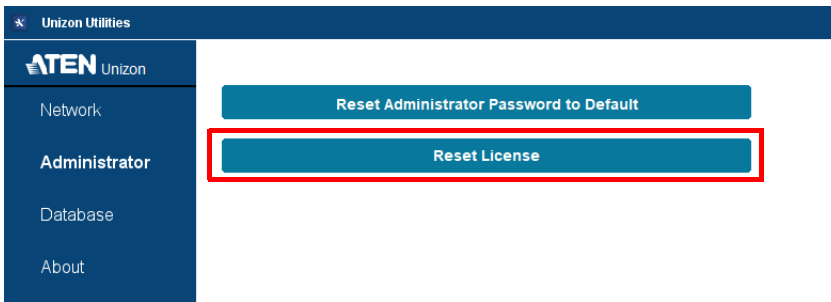
1. From the web server computer, go to **Start > Unizon Utility**. The ATEN Utility window appears.
2. Click **Administrator**. This screen appears.



3. Click **Reset Administrator Password to Default**. The system will restart to apply the change.

Resetting the License

ATEN Unizon™ verifies the validity of a license by checking if the hardware of the detected matches the information specified in the license file. If any hardware component of the Unizon™ web server is changed, the license may become invalid. To continue using the service, use ATEN Unizon™ Utility to resolve the issue. For a complete procedure, see *Resetting the License*, page 14.



Configuring Database Settings

To configure the IP address, communication port, username, and/or password of the database server, follow the steps below.

1. From the web server computer, go to **Start > Unizon Utility**. The ATEN Utility window appears.
2. Click **Database** and configure the settings as required.

To change the username and/or password, type the new username and/or password and select **Sync the login credentials to the database server installed via Unizon**.

Database Address

IP Address	127.0.0.1
Port	5432
Username	administrator
Password	*****

Sync the login credentials to the database server installed via Unizon

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Appendix A

Technical Support

International

- ◆ For online technical support – including troubleshooting, documentation, and software updates: <http://support.aten.com>
- ◆ For telephone support, call this number:

International	886-2-8692-6959
China	86-00-810-0-810
Japan	81-3-5615-5811
Korea	82-2-67-6789
North America	1-888-999-ATEN ext 988 1-99-28-1111

North America

Email Support	support@aten-usa.com	
Online Technical Support	Troubleshooting Documentation Software Updates	http://www.aten-usa.com/support
Telephone Support	1-888-999-ATEN ext 988	

When you contact us, please have the following information ready beforehand:

- ◆ Product model number, serial number, and date of purchase
 - ◆ Your computer configuration, including operating system, revision level, expansion cards, and software
 - ◆ Any error messages displayed at the time the error occurred
 - ◆ The sequence of operations that led up to the error
 - ◆ Any other information you feel may be of help
-

Appendix B

Communication Ports

The table below lists and explains the communication ports that ATEN Unizon™ uses. Be sure to open the required communication ports.

Usage	Port	Configured / Fixed	Direction	Protocol
Ports that devices use to communicate with ATEN Unizon™				
Web Access The port is used for connecting to and receiving data from ATEN Unizon™ through a network, such as user accessing the ATEN Unizon™ web console or Unizon™-managed devices receiving certain data.	8765 (default)	Configurable upon installation, via the web console, or Unizon™ utility.	Bidirectional	TCP (HTTPS)
Database Access ATEN Unizon™ uses this port to read data from and write data to its database.	5432 (default)	Configurable upon installation or via Unizon™ utility.	Bidirectional	TCP
Device Re-Connection When a device disconnects from Unizon™, it reconnects to Unizon™ through port 1688. If the port is occupied, the device tries the next port, port 1689 until it re-connects successfully.	1688 (or the next available port)	Fixed	Bidirectional	TCP
Restart Web Access (RPC) The port is used for restarting Unizon™ web accessibility when the web access port is not available.	1829	Fixed	Bidirectional	TCP
Ports that ATEN Unizon™ uses to communicate with Control System devices & Video Matrices				
Control Unizon™ uses this port to control devices.	443	Fixed	Bidirectional	TCP (HTTPS)

Usage	Port	Configured / Fixed	Direction	Protocol
Keep Alive Unizon™ detects if its managed devices are online or not by receiving regular responses from the devices via this port.	5683	Fixed	Bidirectional	UDP
SSDP With SSDP (multicast), devices installed to ATEN Control System or Video Matrix within different subnets can be searched.	1900	Fixed	Bidirectional	UDP
ATEN device discover protocol By broadcasting, devices in the same subnet can be searched.	18768	Fixed	Bidirectional	UDP
Ports that ATEN Unizon™ uses to communicate with Room Booking System				
Control Unizon™ uses this port to control devices.	13346	Fixed	Bidirectional	TCP
Keep Alive Unizon™ detects if its managed devices are online or not by receiving regular responses from the devices via this port.	5683	Fixed	Bidirectional	UDP
ATEN device discover protocol By broadcasting, devices in the same subnet can be searched.	18768	Fixed	Bidirectional	UDP
Timetable Access RBS devices use the same web access port to connect to Unizon Timetable.	8765 (default)	Configurable upon installation, via the web console, or Unizon™ utility		HTTPS

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