

OnCell Central Manager User's Manual

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www.moxa.com/product

MOXA[®]

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OnCell Central Manager User's Manual

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Introduction

OnCell Central Manager v2.0 is a powerful tool that makes it possible for two sites configured with **Private IP** addresses to access each other over a public network. More specifically, Ethernet hosts with access to the Internet can be configured to communicate with devices connected to an OnCell unit by connecting to OnCell Central Manager.

The following topics are covered in this chapter:

- ❑ **Key Features**
- ❑ **Overview**
- ❑ **OnCell Central Manager Hardware Topology**
- ❑ **Moxa Device Compatibilities**
- ❑ **System Requirements**
 - Minimum Hardware Requirements
 - Software Requirements

Key Features

- The Administrator can manage up to 2000 OnCell devices with OnCell Central Manager, and allow up to 200 simultaneous data connections between hosts and serial/Ethernet device.
- Full support for Windows X64 platforms
- Auto detects occupied ports to prevent function failures
- Pie charts present device status and information in a clear and readable format
- Categorized system log with substantial diagnostics information
- Manage, group, monitor, configure, and upgrade the firmware of all your devices from OnCell Central Manager

Overview

OnCell Central Manager makes it possible for multiple sites configured with private IP addresses to access each other over a public network. The sites connect to OnCell Central Manager, which assigns port numbers to each site, thereby allowing hosts to connect to serial and/or Ethernet devices connected to an OnCell device. Furthermore, OnCell Central Manager allows a host to monitor the connection status of an OnCell and the devices connected to it.

OnCell Central Manager supports the following types of accessibility:

1. Private IPs hidden from the public domain can communicate directly
2. Connect over the Internet to OnCell devices with private IP SIM cards



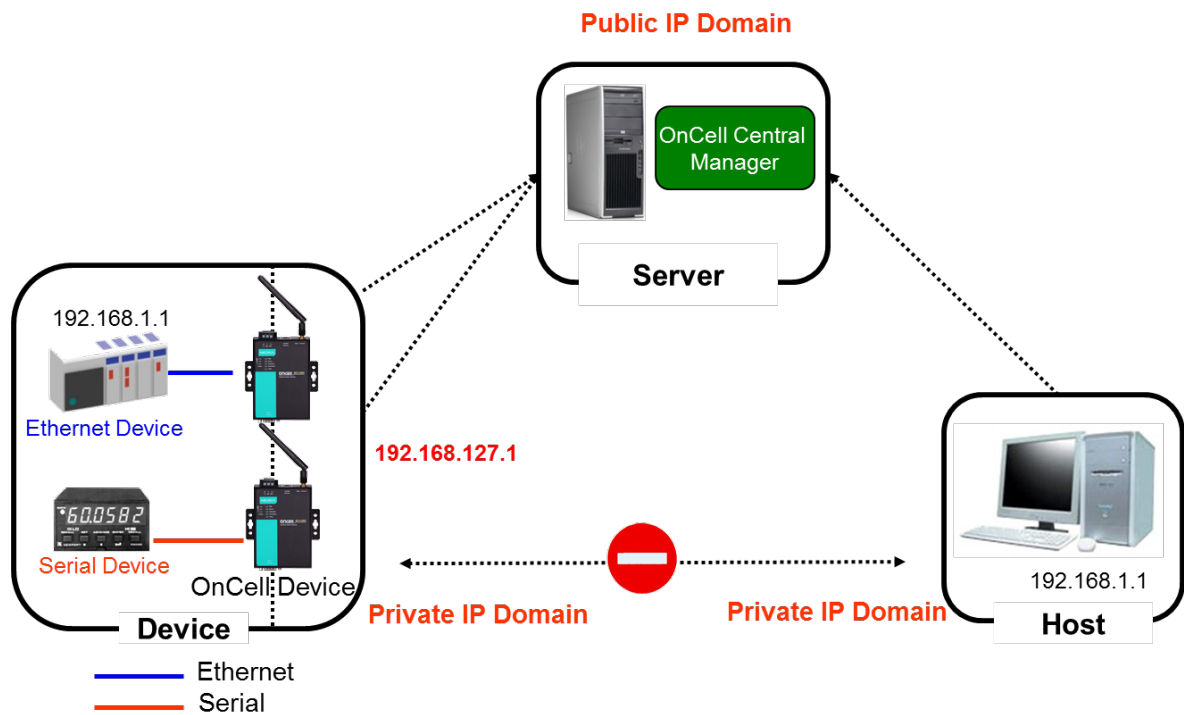
ATTENTION

Throughout this manual:

- **OnCell** or **OnCell device** refers to an actual OnCell hardware product (OnCell 5004, for example).
- **Connected device** refers to an Ethernet device connected directly to an OnCell.
- **OnCell Central Manager** or **OCM** refers to software utility which is the topic of this manual.

OnCell Central Manager Hardware Topology

OnCell Central Manager allows private IP hosts and OnCells to communicate with each other over a public network.



Moxa Device Compatibilities

OnCell Central Manager v2.0 is compatible with the following OnCell and WDR models:

- OnCell G3100 series
- OnCell G3100-HSPA series
- OnCell G3111 series
- OnCell G3111-HSPA series
- OnCell 5000 series
- OnCell 5000-HSPA series
- OnCell G3470A-LTE
- WDR-3124A

System Requirements

Minimum Hardware Requirements

- Windows 7 (32-bit or 64-bit)
- 4 GB of RAM
- 300 MB hard drive

Software Requirements

OnCell Central Manager v2.0 has been fully tested, and has been shown to be compatible with the latest Windows operating systems, including Windows 64-bit operating systems.

Compatible operating systems

- **X86 OS:** Windows 2000 Server, Windows Servers 2003, Windows Server 2008, Windows 7, Windows 8, Windows 2012
- **X64 OS:** Windows 2000 Server, Windows Server 2003, Windows Server 2008, Windows 7, Windows 8, Windows 2012

Browsers:

- Internet Explorer 6.0 or above
- Firefox 37.02
- Chrome

NOTE Windows XP is no longer supported by Microsoft. Moxa recommends using the Windows 7 OS instead.

NOTE Adobe Flash is required to install OnCell Central Manager.

Configuring Your OnCell and Connected Devices

In this chapter, we describe how to use your OnCell's web console utility to configure the OnCell to connect to OnCell Central Manager, and configure the connected devices to connect to the OnCell.

The following topics are covered in this chapter:

▣ **OnCell Central Manager Settings**

- Configuration
- Control Port

▣ **Service Forwarding**

OnCell Central Manager Settings

After starting your OnCell’s web console configuration utility, click **OnCell Central Manager Settings** in the navigation panel (not shown below) and then click **OnCell Central Manager** to open the settings page.

OnCell Central Manager

Configuration

OnCell Central Manager

Manager IP

Auto reconnect period (10 - 1000 secs)

Control Port

Management information port

Management configuration port

Telnet port

The **OnCell Central Manager** page includes two sections, **Configuration** and **Control Port**, described separately below.

Configuration

Setting	Description	Factory Default
OnCell Central Manager	Select Enable to allow your OnCell to connect to OnCell Central Manager.	Disable
Manager IP	Enter the public IP address that assigned to OnCell Central Manager.	None
Auto reconnect period	The number of seconds the OnCell will wait before attempting to automatically reconnect to OnCell Central Manager (input any integer between 10 and 1000).	10

Control Port

Setting	Description	Factory Default
Management information port	This port is used to transfer status information of the OnCell to OnCell Central Manager. The port number must match the Information port configured in OnCell Central Manager. To prevent port conflicts with other applications, you can set the management information port to a different port number.	63201
Management configuration port	This port is used to transfer configurations from the OnCell to OnCell Central Manager. The port number must match the Configuration port configured in OnCell Central Manager. To prevent port conflicts with other applications, you can set the management information port to a different port number.	63202
Telnet port	The Telnet port is the TCP port in OnCell Central Manager (the server) that is listening for a Telnet connection from OnCells (the hosts). To prevent a TCP port conflict with other applications, you can set the Telnet port to a different port number.	63203

Service Forwarding

To access the **Service Forwarding** configuration page, expand the **OnCell Central Manager Settings** item in the navigation panel (not shown below) and click **Service Forwarding**.

Service Forwarding

Service forwarding Disable ▾ (This function is for OnCell Central Manager only.)

Service forwarding port

No	<input type="checkbox"/> Act.	Protocol	Eth. Device Name	Eth. Device IP	Port	Description
1	<input type="checkbox"/>	TCP ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="checkbox"/>	TCP ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="checkbox"/>	TCP ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="checkbox"/>	TCP ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="checkbox"/>	TCP ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	<input type="checkbox"/>	TCP ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	<input type="checkbox"/>	TCP ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8	<input type="checkbox"/>	TCP ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Settings specific to the OnCell

These settings govern the connection between the OnCell and OnCell Central Manager.

Setting	Description	Factory Default
Service forwarding	Select Enable to allow this OnCell to forward data from devices connected to the OnCell to OnCell Central Manager.	Disable
Service forwarding port	The Ethernet port number used to establish an Ethernet connection between this OnCell and OnCell Central Manager.	63204

Settings Specific to Connected Devices

These settings govern the connection between the OnCell and Ethernet devices connected directly to the OnCell.

Setting	Description	Factory Default
Act.	Select this checkbox to activate the connection between the Ethernet device associated with this row and the OnCell. Note: If Service Forwarding is set to Enable, the connected device will be able to communicate with OnCell Central Manager.	unchecked
Protocol	Select which protocol will be used to establish a connection between the connected device and the OnCell (options include TCP and UDP).	TCP
Ethernet Device Name	A name for the connected device.	N/A
Ethernet Device IP	The private IP address (192.168.xxx.xxx) assigned to the connected Ethernet device.	N/A
Port	The Ethernet port number assigned to the connected Ethernet device.	N/A
Description	A description of the connected Ethernet device.	N/A

Installing OnCell Central Manager

In this chapter, we explain how to install Moxa's OnCell Central Manager and quickly set up and test your network to make sure the connection is running smoothly.

The following topics are covered in this chapter.

❑ **Installing OnCell Central Manager**

❑ **Using the OCM Server Tool**

- OCM Server tool Tool Menu

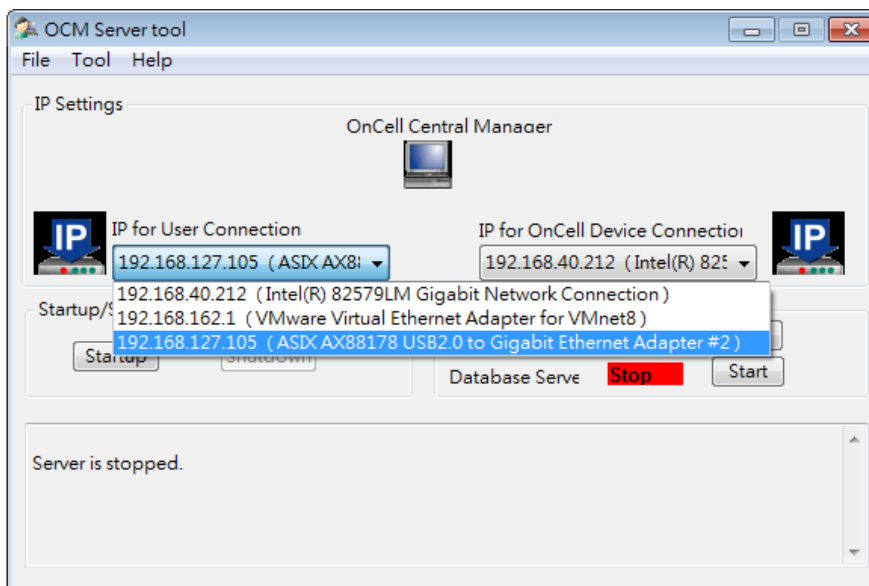
Installing OnCell Central Manager

Access http://www.moxa.com/product/OnCell_Central_Manager.htm to download OnCell Central Manager v2.0. Be sure to select the download option for the type of OS (32-bit or 64-bit) your system is running.

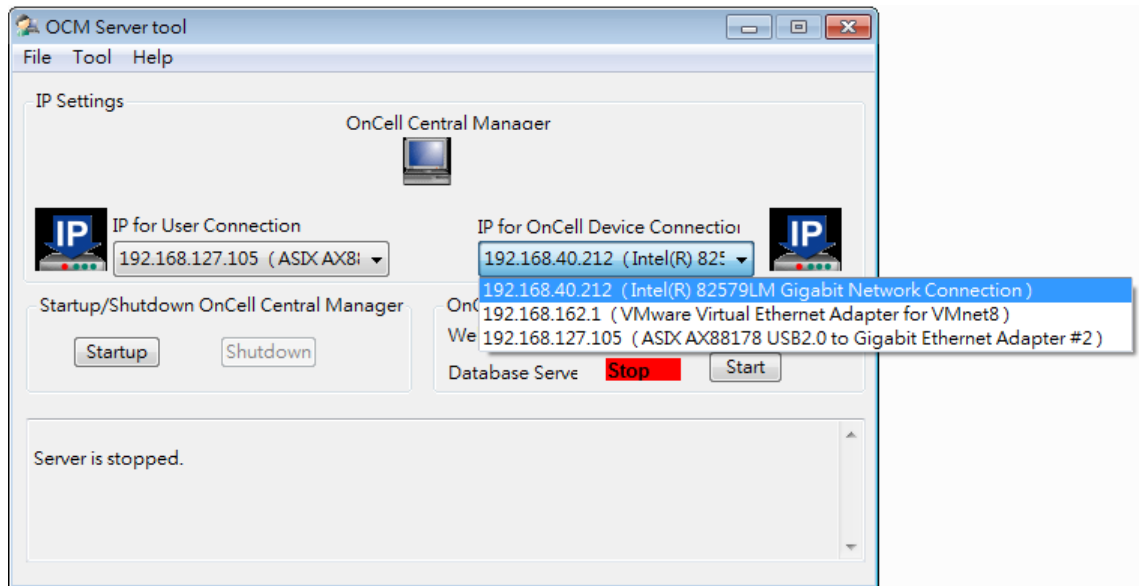


Using the OCM Server Tool

Use the **IP for User Connection** drop-down box to select which IP address OCM users should use to connect to OnCell Central Manager. This will usually be a private IP address.



Use the **IP for OnCell Device Connection** to select which IP address OnCell Central Manager will use to connect to OnCell devices. This will usually be a public IP address.

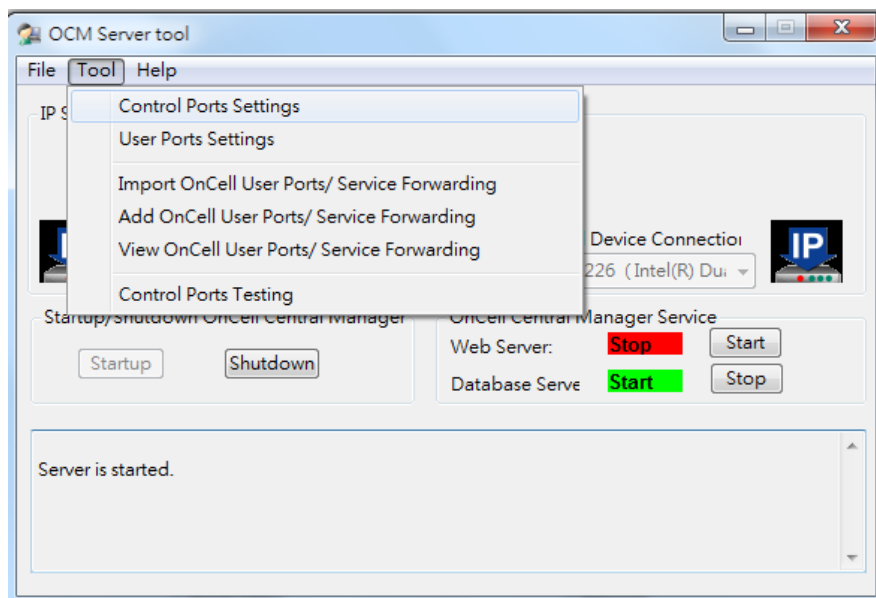


OCM Server tool Tool Menu

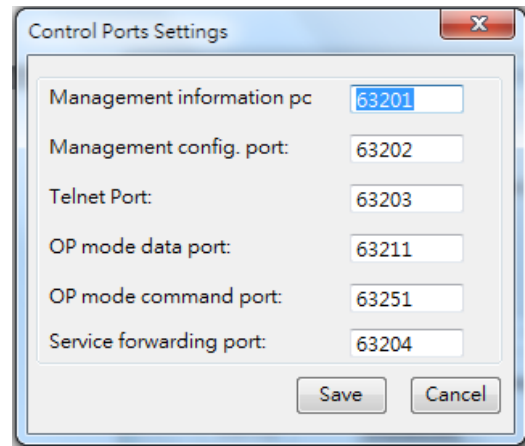
Click the OCM Server tool **Tool** menu to access **Control Port Settings**, **User Port Settings**, and to make use of other functions.

Control Port Settings

Select **Control Port Settings** to view and/or modify the OnCell Central Manager's control ports.

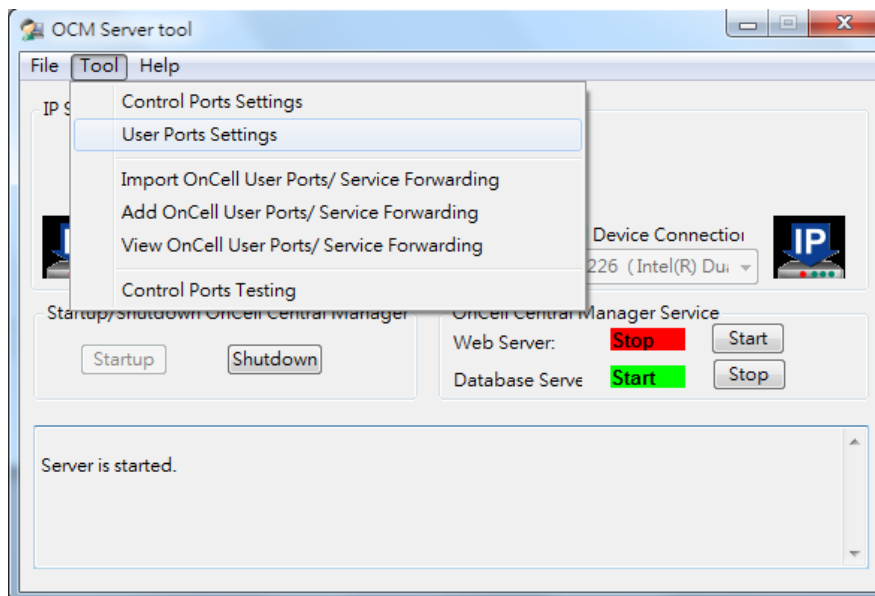


These ports are the communication ports between OnCell Central Manager and OnCell devices. The aim is to allow OnCell Central Manager to access and manage OnCell devices. Make sure the port numbers shown here match the control port numbers in your OnCell devices.

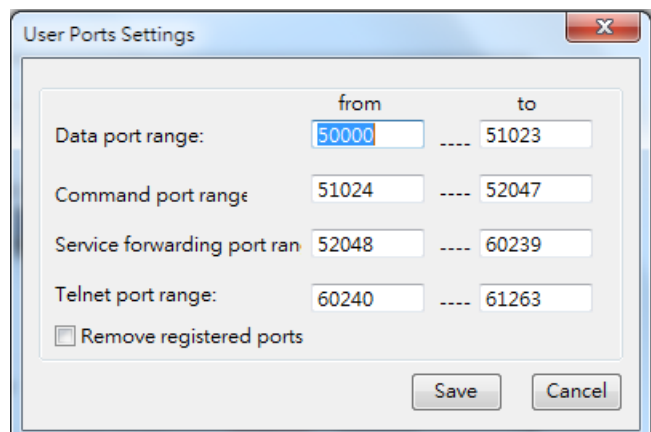


User Port Settings

Select **User Port Settings** to view and/or modify the OnCell Central Manager's user ports.



These ports will generate specific port numbers from the configured ranges. The port numbers will map to the TCP server ports of an Ethernet device connected to an OnCell, or directly connect to a serial device.



OnCell Central Manager Web Server Ports

The following table shows the ports used by OnCell Central Manager. Make sure the port numbers are not already occupied.

OnCell Central Manager Web Server ports:	
Web Server Ports	8005, 8080, 8443
OCM Service Ports	63201, 63202, 63203, 63204, 63211, 63251
OCM Monitoring Ports	63206, 63207, 63210
OnCell Central Manager Database Server ports	
Database Server	1527

NOTE The above figures are for illustration purposes only. The actual numbers depend on the connection status and network environment.

OnCell Central Manager Web Console Configuration

In this chapter, we describe the web console that you can use to configure OnCell Central Manager, and several advanced functions that are available to manage, monitor, and upgrade the firmware to connected OnCell devices.

The following topics are covered in this chapter:

❑ **Launching OnCell Central Manager**

❑ **Server**

- Overview
- Control Ports / User Ports Info.
- Change Password
- Device Group Management
- Account Management

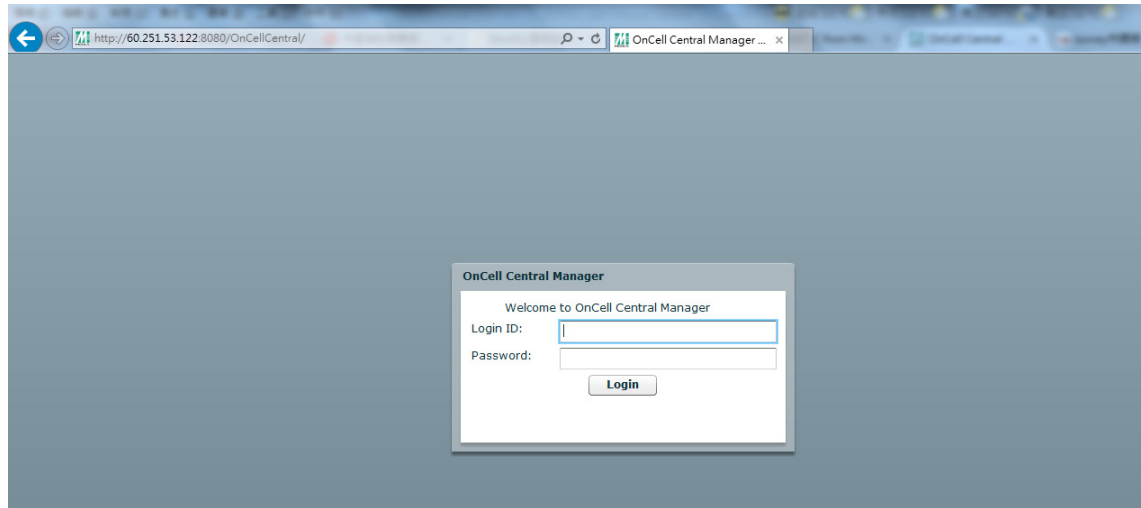
❑ **Device**

- All Devices
- Groups
- All User Ports
- Service Forwarding
- Firmware Upgrade
- Managing a Single Device
- Device Logout

Launching OnCell Central Manager

To access OnCell Central Manager:

1. Open a web browser.
2. Enter the OnCell Central Manager's IP address (e.g., <http://localhost:8080>).
3. When the login screen appears, enter the user name (default is "admin") and password (default is "admin"), and then click the **Login** button.



NOTE Default user name and password:

Username: **admin**

Password: **admin**

For security reasons, we strongly recommend changing the default password. To do so, select **Server** → **Change Password**, and then follow the on-screen instructions to change the password.

Server

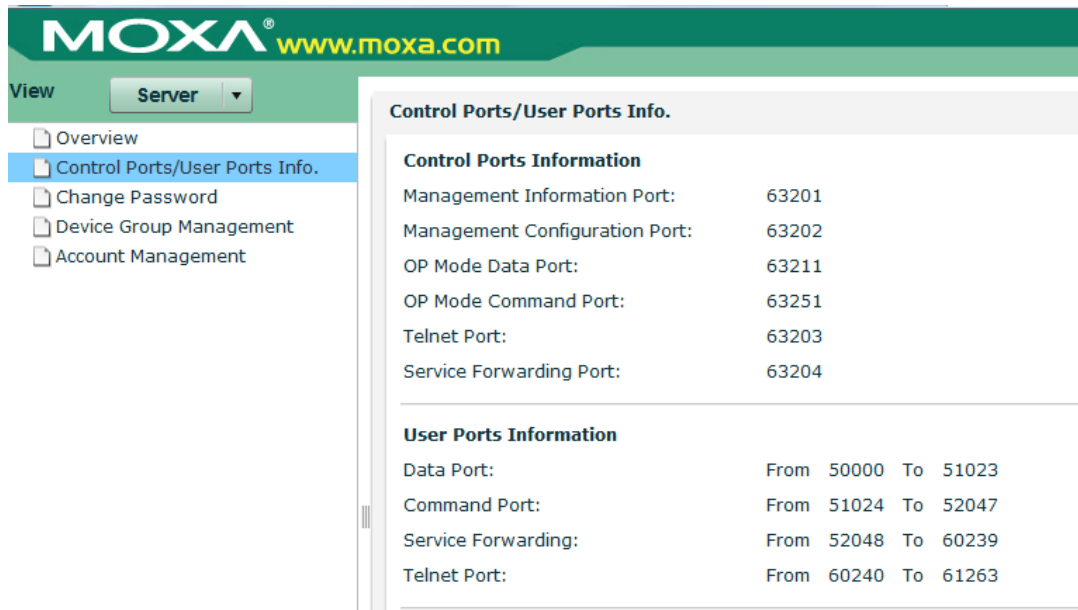
Overview

The Overview screen shows which version of OnCell Central Manager is installed.



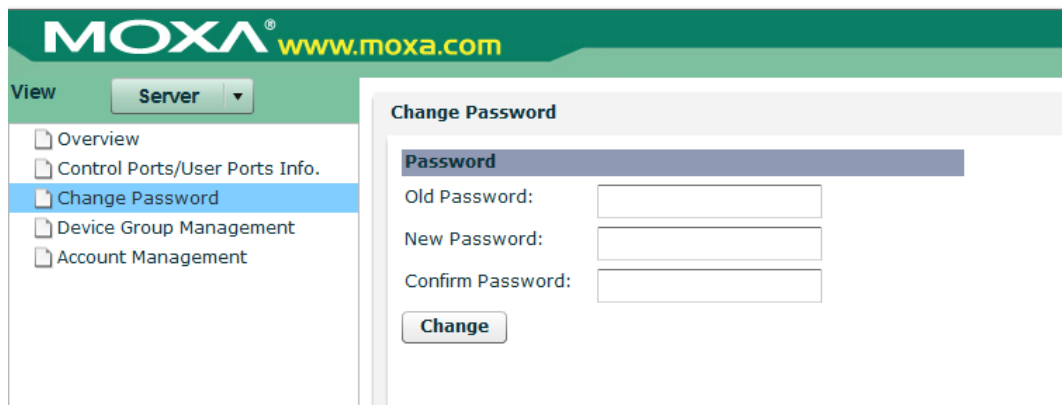
Control Ports / User Ports Info.

Click the **Control Ports / User Ports Info.** menu item to display the current port numbers for OnCell Central Manager. For detailed port information, see Chapter 2: Device Web Console Configuration. Port numbers can be modified manually using the device web console.



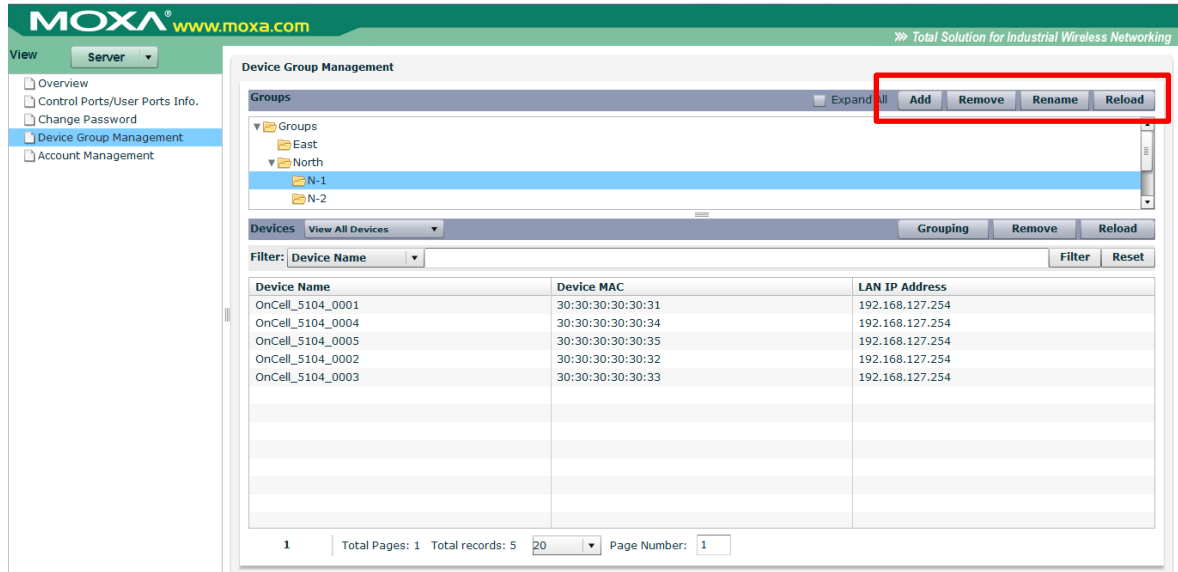
Change Password

Use the **Change Password** function to change your login password. Before you set up a new password, you must input the current password and reenter the new password for confirmation.



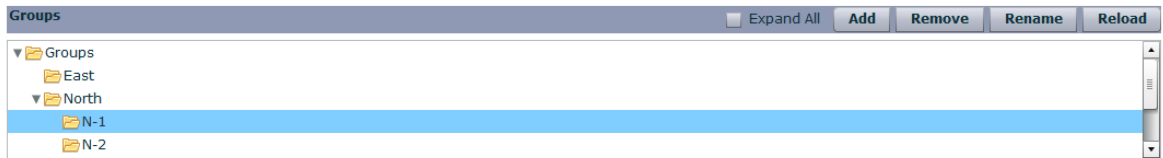
Device Group Management

Administrators can use the **Device Group Management** page to manage Groups and allocate devices to specific groups. Use the **Add**, **Remove**, **Rename**, and **Reload** functions to create, delete, or rename groups and sub groups.



Basic Group Management

The four basic group management functions, **Add**, **Remove**, **Rename**, and **Reload**, are described below.



Function Name	Description
Add	Add a new group or sub group to the currently selected item.
Remove	Remove the currently selected group or sub group.
Rename	Rename the current group or sub group.
Reload	Refresh the group listing.

Devices

In the **Devices** section of the **Device Group Management** page, you may **View Current Groups** or **View All Devices**.

Device Name	Device MAC	LAN IP Address
OnCell_5104_0001	30:30:30:30:30:31	192.168.127.254
OnCell_5104_0004	30:30:30:30:30:34	192.168.127.254
OnCell_5104_0005	30:30:30:30:30:35	192.168.127.254
OnCell_5104_0002	30:30:30:30:30:32	192.168.127.254
OnCell_5104_0003	30:30:30:30:30:33	192.168.127.254

Viewing Option	Description
View Current Groups	View all of the devices in the currently selected group.
View All Devices	View all of the devices currently registered with OnCell Central Manager.

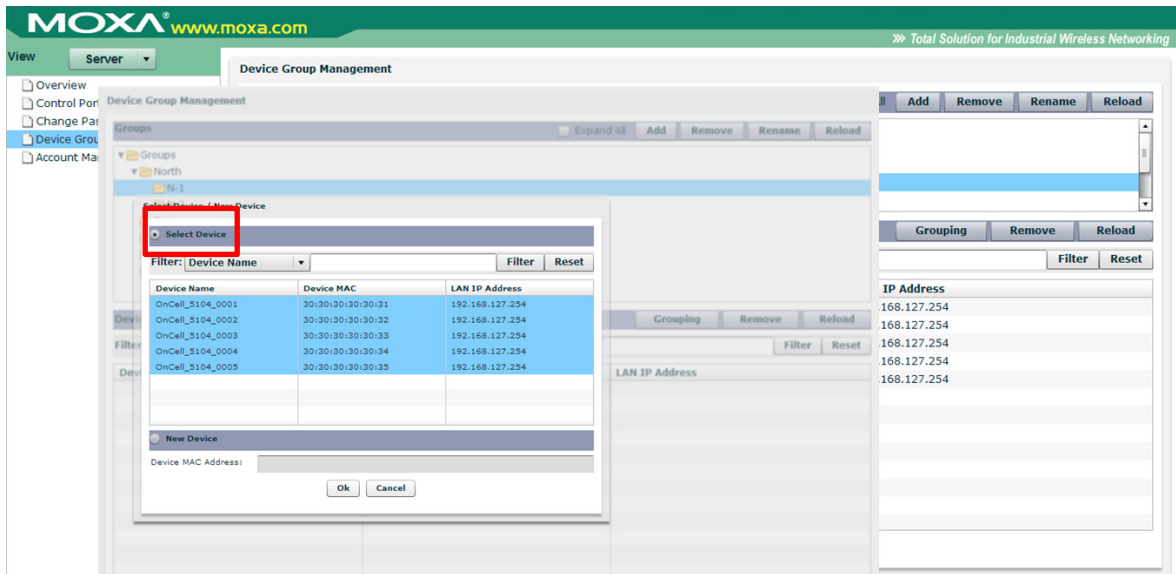
Grouping

Administrators can add a device to a group, provided the device does not already belong to a group. Click on a specific group and then click **Grouping** to open the **Select Device / New Device** window.

NOTE The same device cannot be added to more than one group at the same time.

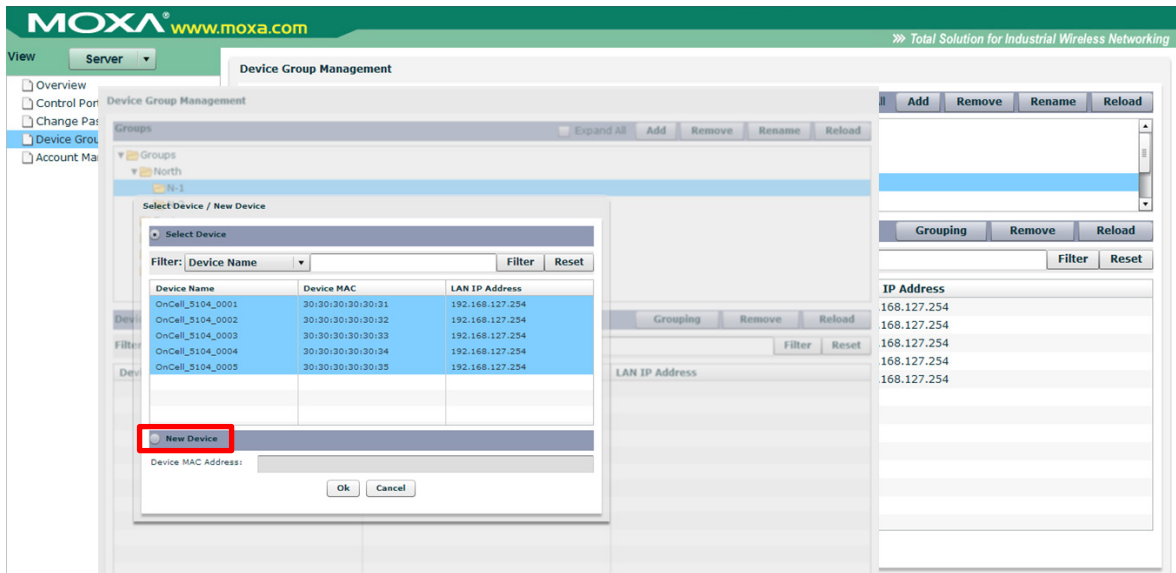
Select Device

The **Select Device** section of the pop-up window only displays devices that currently do not belong to a group. Select one or more devices and then click **OK** to add the devices to the group selected above.



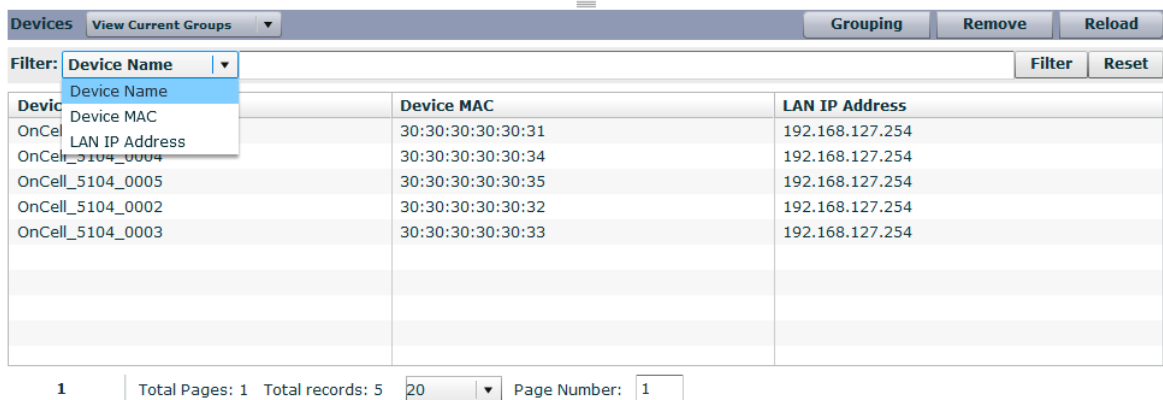
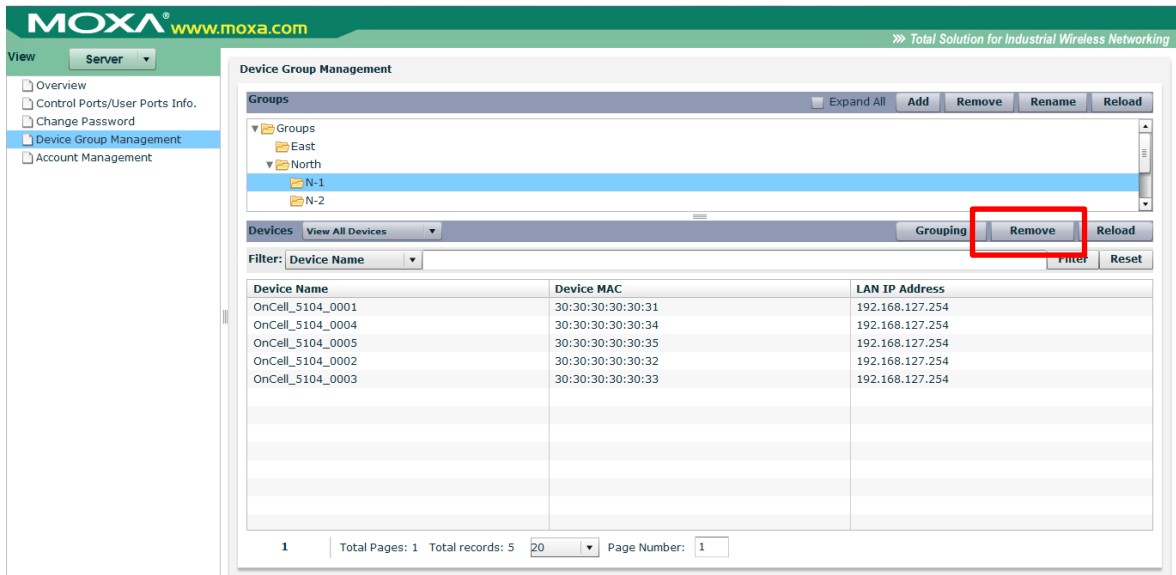
New Device

To add a device not shown in the pop-up window, enter the device's MAC Address in the input box near the bottom of the window, and then click **OK** to add the device to the group.



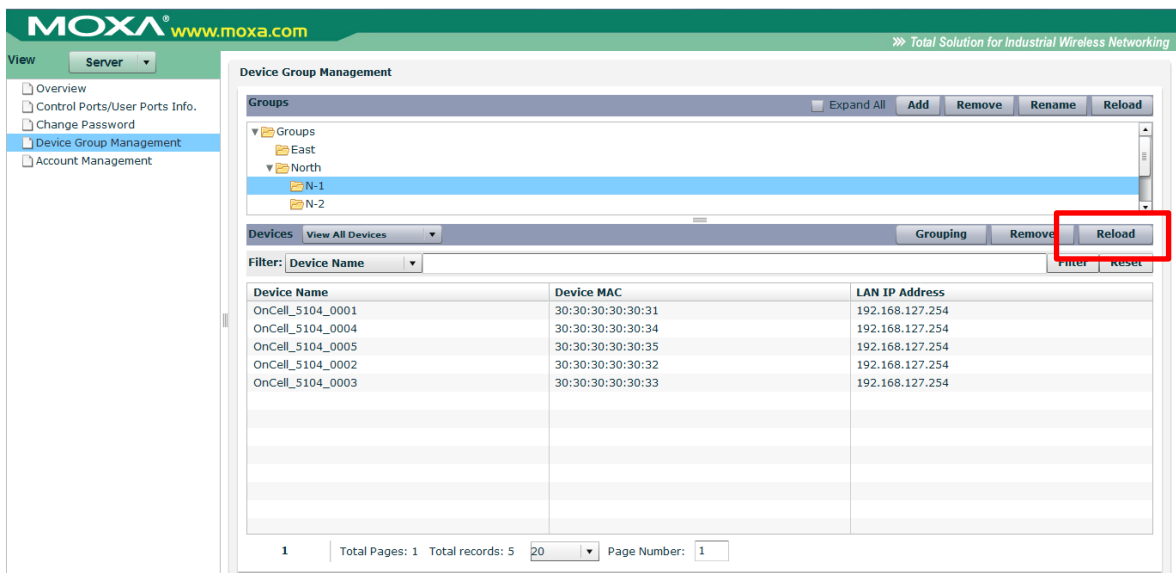
Remove

To remove a device from the group, select the device and then click **Remove**.



Reload

Click **Reload** to refresh the device list.



Filter

The **Filter** function allows you to search via Device Name, Device MAC, or LAN IP Address. Enter partial names, MACs, or IPs to display all devices relevant to that search.

Device Name	Device MAC	LAN IP Address
OnCell_5104_0004	30:30:30:30:30:31	192.168.127.254
OnCell_5104_0005	30:30:30:30:30:34	192.168.127.254
OnCell_5104_0002	30:30:30:30:30:35	192.168.127.254
OnCell_5104_0002	30:30:30:30:30:32	192.168.127.254
OnCell_5104_0003	30:30:30:30:30:33	192.168.127.254

1 | Total Pages: 1 | Total records: 5 | 20 | Page Number: 1

Device Name

Choose Device Name, and then input a keyword to filter by.

Device MAC

Choose Device MAC and input all or part of a MAC address to filter by.

Device LAN IP Address

Choose Device LAN IP address and input all or part of a LAN IP address to filter by.

Reset

Clear filter criteria.

NOTE The above figures are for illustration purposes only. The actual numbers depend on the connection status and network environment.

Account Management

The **Account Management** page allows the administrator to assign different roles, give each account various access levels, and monitor the current status.

Login Account	User Name	Role	Parent	Status
admin	admin	Admin	system	enable
user1	user1	Super User	admin(admin)	enable

Accessible Groups: Expand All

- Groups
 - East
 - North
 - N-1
 - N-2
 - Other
 - South
 - West

Add

Add a new account and assign different access levels and specific Group folders.

The screenshot shows the 'Account Management' interface. At the top, there is a 'User Information' tab and a toolbar with buttons for 'Add', 'Edit', 'Delete', and 'Reload'. The 'Add' button is highlighted with a red box. Below this is a modal window for adding a new account. The modal contains the following fields and options:

- Account:** A text input field with a red asterisk, currently empty.
- User name:** A text input field.
- Password:** A text input field with a red asterisk.
- Confirm password:** A text input field with a red asterisk.
- Role:** A dropdown menu with 'Super User' selected.
- Parent:** A dropdown menu with 'admin(admin)-Admin' selected.
- Enable account:** A checkbox labeled 'Enable' which is checked.
- Groups:** A tree view showing a hierarchy of folders: Groups, East, North, Other, South, and West.
- Selected Groups:** A list box containing 'Selected Groups'.
- Navigation buttons: '->' and '<-' between the Groups and Selected Groups panels.
- Ok** and **Cancel** buttons at the bottom of the modal.

NOTE Information for items marked with a red asterisk must be provided.

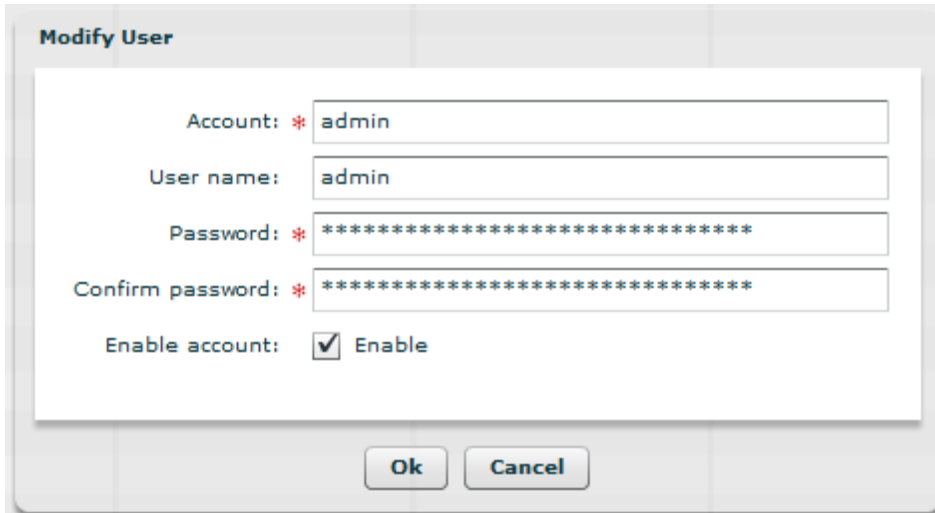
Item	Description
Account	Account name used to log in to OnCell Central Manager.
User name	Enter a nickname or description for the user name.
Password	Password used to log in to OnCell Central Manager.
Confirm Password	Retype the password to confirm.
Role	<p>Admin: Can access all groups, devices and user information.</p> <p>Super User: Can access subgroups, devices in the subgroup, and user information for users created by the Super User.</p> <p>User: Can only view device information.</p>
Parent	
Enable account	

Edit

Click **Edit** to modify user information.



Enter updated information as needed in the following popup window.



Reload

Click **Reload** to refresh the account information appearing onscreen.



Device

OnCell Central Manager provides infographic demonstration that displays devices' connection status, signal RSSI, and device cellular mode. You may view using the **All Devices** view or **Groups** view. Click on the various headings (Device MAC, Device Name, etc.) to change the way the information is sorted.

Pass your cursor over a pie chart to see more information.

All Devices

The **All Devices** view option is selected by default.

The screenshot shows the MOXA OnCell Central Manager web console. The 'All Devices' view is selected in the left-hand navigation menu. The main content area displays 'Statistic information' with three pie charts: 'Offline: 58', 'No Signal: 58', and 'Unknown: 58'. Below the charts is a table of device statistics with columns for Device MAC, Device Name, Device Series, WAN IP, LAN IP, FW Version, Rssi, Cellular Mode, and Last Connected. The table shows a list of devices with their respective IP addresses and connection statuses.

Device MAC	Device Name	Device Series	WAN IP	LAN IP	FW Version	Rssi	Cellular Mode	Last Connected
00:90:E8:00:00:00	WDR-3124A_000	WDR-3124 series	10.110.24.88	192.168.127.255	1.0	0	N/A	2015/02/10 15:39:54
00:90:E8:00:01:01	OnCell G3470-LT	OnCell G3470-LT	10.194.172.133	192.168.127.255	1.0	0	N/A	2014/12/01 19:23:22
00:90:E8:00:01:01	OnCell G3470-LT	OnCell G3470-LT	10.71.225.192	192.168.127.255	1.0	0	N/A	2014/12/02 11:59:20
00:90:E8:00:00:00	Green_WDR3124	WDR-3124 series	100.64.170.94	192.168.127.221	1.0	0	N/A	2014/12/10 13:30:05
00:90:E8:00:25:00	OnCell G3470-LT	OnCell G3470-LT	100.67.200.142	192.168.129.111	1.0	0	N/A	2014/12/08 11:28:31
00:90:E8:00:00:00	WDR-3124A_000	WDR-3124 series	111.70.9.185	192.168.127.231	1.0	0	N/A	2015/02/06 16:06:24
00:90:E8:00:00:00	WDR-3124A_000	WDR-3124 series	111.80.241.40	192.168.127.231	1.0	0	N/A	2015/01/19 16:29:37
30:30:30:30:34:00	OnCell_5104_00	OnCell 5000-HSC	192.168.126.254	192.168.127.254	1.5.7	32	EDGE	2015/05/14 13:22:54
30:30:30:30:34:00	OnCell_5104_00	OnCell 5000-HSC	192.168.126.254	192.168.127.254	1.5.7	78	UMTS	2015/05/14 13:23:23

Groups

Click the **Groups** option to view groups. This viewing option can be used for batch configurations of all devices in certain groups or subgroups.

The screenshot shows the MOXA OnCell Central Manager web console. The 'Groups' view is selected in the left-hand navigation menu. The main content area displays 'Statistic information' with three pie charts: 'Offline: 50', 'No Signal: 50', and 'Unknown: 50'. Below the charts is a table of device statistics for the selected group, with columns for Device M/, Device Name, Device S, WAN IP, LAN IP, FW Version, Rssi, Cellular Mode, and Last Connected. The table shows a list of devices with their respective IP addresses and connection statuses.

Device M/	Device Name	Device S	WAN IP	LAN IP	FW Version	Rssi	Cellular Mode	Last Connected
30:30:30:30:0046	OnCell_5104_0046	OnCell 5	192.168.	192.168.	1.5.7	22	LTE	2015/05/19 17:03:20
30:30:30:30:0048	OnCell_5104_0048	OnCell 5	192.168.	192.168.	1.5.7	22	LTE	2015/05/19 17:03:20
30:30:30:30:0047	OnCell_5104_0047	OnCell 5	192.168.	192.168.	1.5.7	22	LTE	2015/05/19 17:03:20
30:30:30:30:0049	OnCell_5104_0049	OnCell 5	192.168.	192.168.	1.5.7	22	LTE	2015/05/19 17:03:20
30:30:30:30:0050	OnCell_5104_0050	OnCell 5	192.168.	192.168.	1.5.7	22	LTE	2015/05/19 17:03:20
30:30:30:30:0077	OnCell_5104_0077	OnCell 5	192.168.	192.168.	1.5.7	0	N/A	2015/05/19 16:56:21
30:30:30:30:0078	OnCell_5104_0078	OnCell 5	192.168.	192.168.	1.5.7	0	N/A	2015/05/19 16:56:21
30:30:30:30:0075	OnCell_5104_0075	OnCell 5	192.168.	192.168.	1.5.7	0	N/A	2015/05/19 16:56:21

All User Ports

Click **All User Ports** to display all ports mapped to OnCell Central Manager in OP mode with Telnet status on.

Port Type	Device Name	Device MAC	Status	OP Mode	Serial Port	Ethernet Port
Telnet	Green_WDR3124A	00:90:e8:00:00:29	Close	N/A	N/A	60240
Telnet	Oncell G3470-LTE_0001	00:90:e8:00:01:23	Close	N/A	N/A	60241
Telnet	WDR-3124A_0000	00:90:e8:00:00:73	Close	N/A	N/A	60242
Telnet	Oncell G3470-LTE_0001	00:90:e8:00:25:c3	Close	N/A	N/A	60243
Command	G3111_8853-VGM	00:90:e8:03:11:12	Close	TCP Server	Port 1	51024
Data	G3111_8853-VGM	00:90:e8:03:11:12	Close	TCP Server	Port 1	50000

Service Forwarding

Click **Service Forwarding** to display all ports mapped to OnCell Central Manager with TCP port status set to service forwarding.

Status	Device MAC	Service Port	Protocol	LAN Device Name	LAN Device IP	Port	Description
Closed	00:90:E8:00:01:23	52048	TCP	test6666	192.168.127.105	6666	test6666
Closed	00:90:E8:03:11:12	52049	TCP	Modicon PLC	10.139.64.15	20000	

Firmware Upgrade

Click **Firmware Upgrade** to display the devices' upgrade status and upgrade histories.

The screenshot shows the MOXA OnCell Central Manager web console. The 'Firmware Upgrade' tab is selected and highlighted with a red box. The main content area displays a table with the following data:

Device Name	Device MAC	Device Model	Firmware Support	Upgrade Status	Upgrade Percentage
WDR-3124A_0000	00:90:E8:00:00:24	WDR-3124	WDR-3124 series	Success	100%
Oncell G3470-LTE_0000	00:90:E8:00:01:23	OnCell G3470-LTE	OnCell G3470-LTE series	Success	100%
Oncell G3470-LTE_0000	00:90:E8:00:25:C3	OnCell G3470-LTE	OnCell G3470-LTE series	Success	100%
Green_WDR3124A	00:90:E8:00:00:29	WDR-3124	WDR-3124 series	Time out error	3%

The sidebar on the left lists various devices, including WDR-3124A_0000 (Offline), Green_WDR3124A (Offline), and several OnCell_5104_XXXX (Online) devices. At the bottom of the console, there are 'Refresh' and 'Auto Refresh' buttons, with the latter set to 20 seconds.

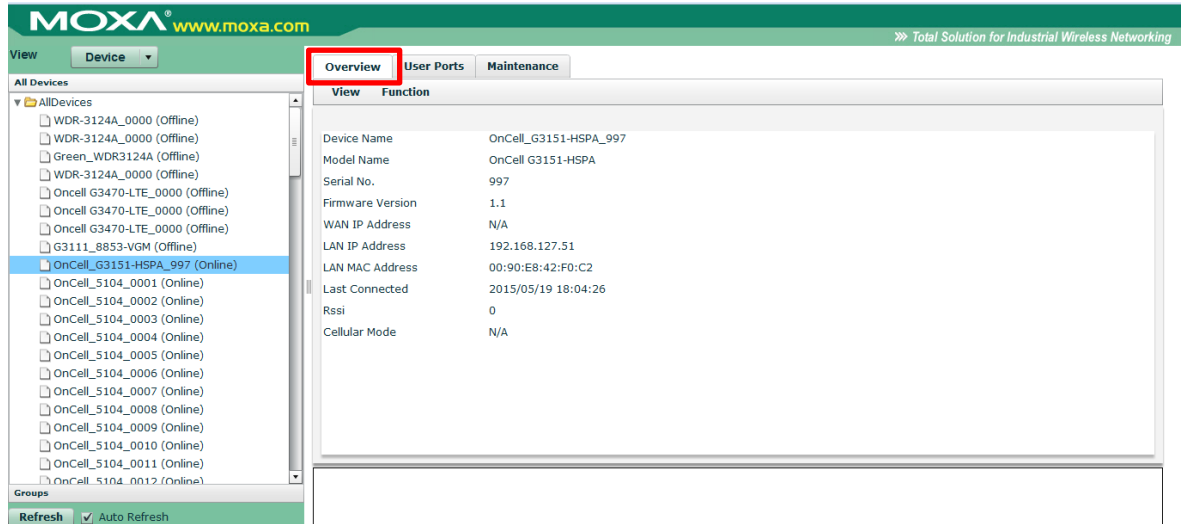
NOTE The information shown in the figure is for demonstration purposes only. The actual information depends on the connection status and configuration.

Managing a Single Device

Click on a single device in the **All Devices** list to view and/or manage the information for that device.

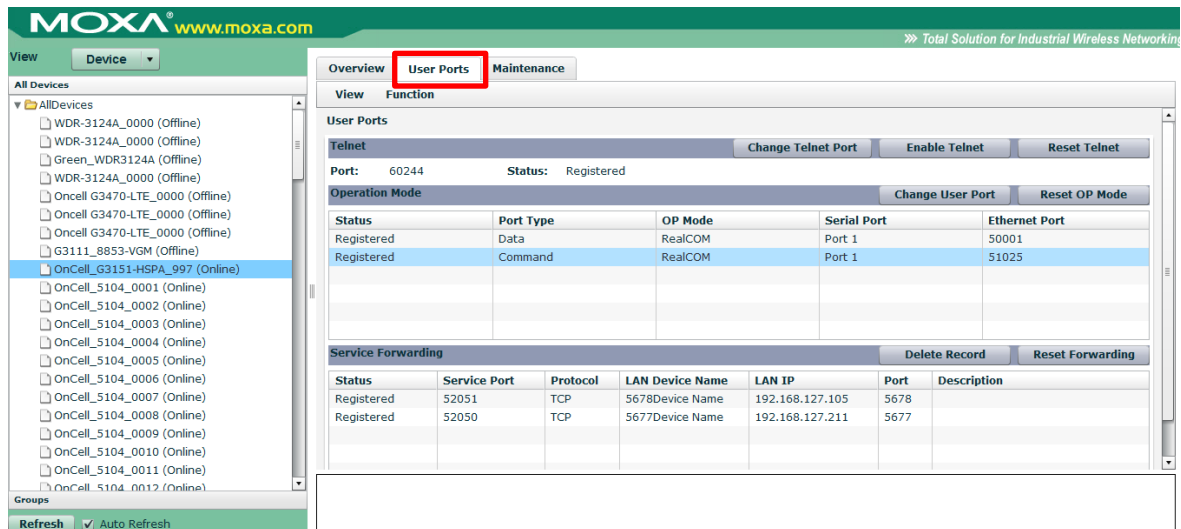
Overview

The **Overview** tab, which displays information for the device, is selected by default.



User Ports

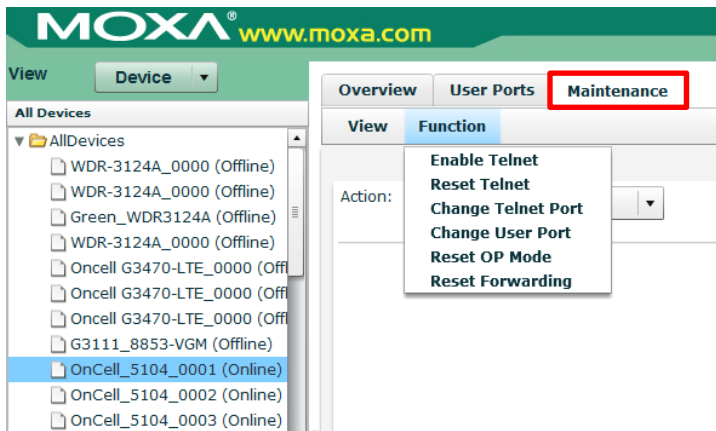
The **User Ports** tab allows administrators to manage and monitor specific device ports, including the Telnet, OP mode, and Service Forwarding configurations. The **Service Forwarding** section only allows deleting records, or assigning a new forwarding port.



Item	Description
Change Telnet Port	Modify the device's Telnet port number.
Enable Telnet	Activate Telnet.
Reset Telnet	Deactivate Telnet.
Change User Port	Modify the device's user port number.
Reset OP mode	Restart the device's OP mode.
Delete Record	Delete specific device Service Forwarding port mapping; system will reassign a new service port.
Reset Forwarding	Restart the device's Service Forwarding connection.

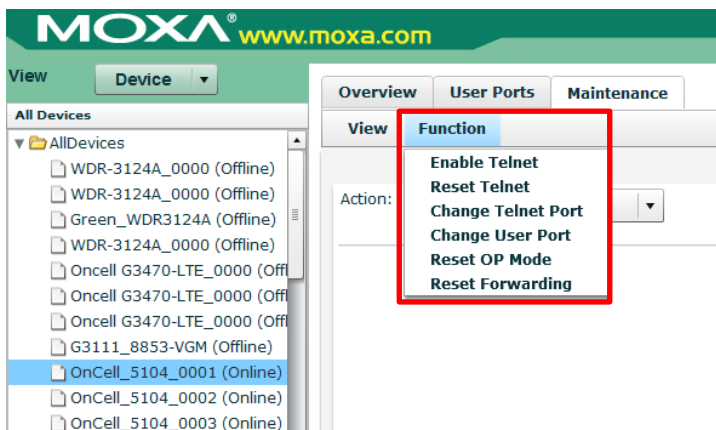
Maintenance

Maintenance functions provide the administrator with tools to manage the a device’s port configuration, activation, restoration, and firmware upgrade.



Function

Click **Function** to view all functions.

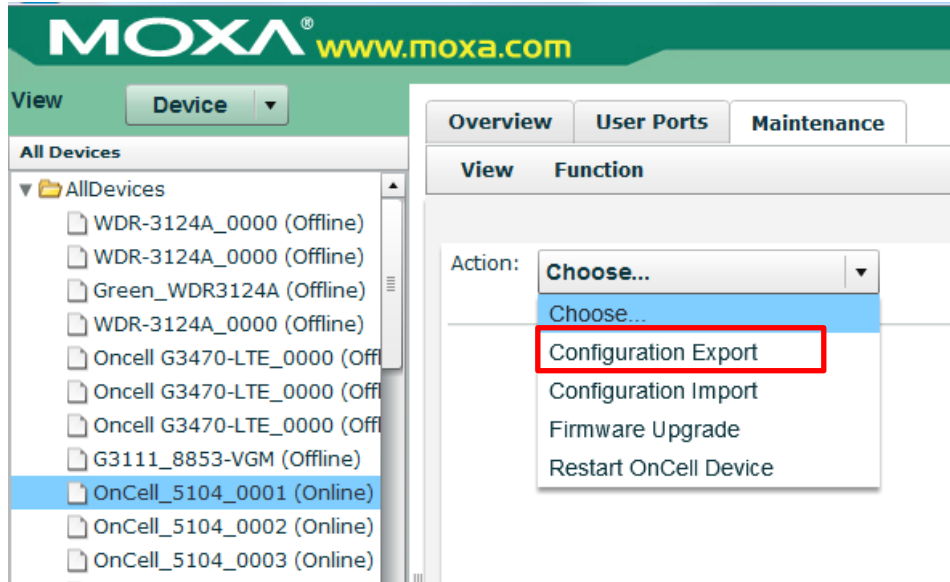


Action

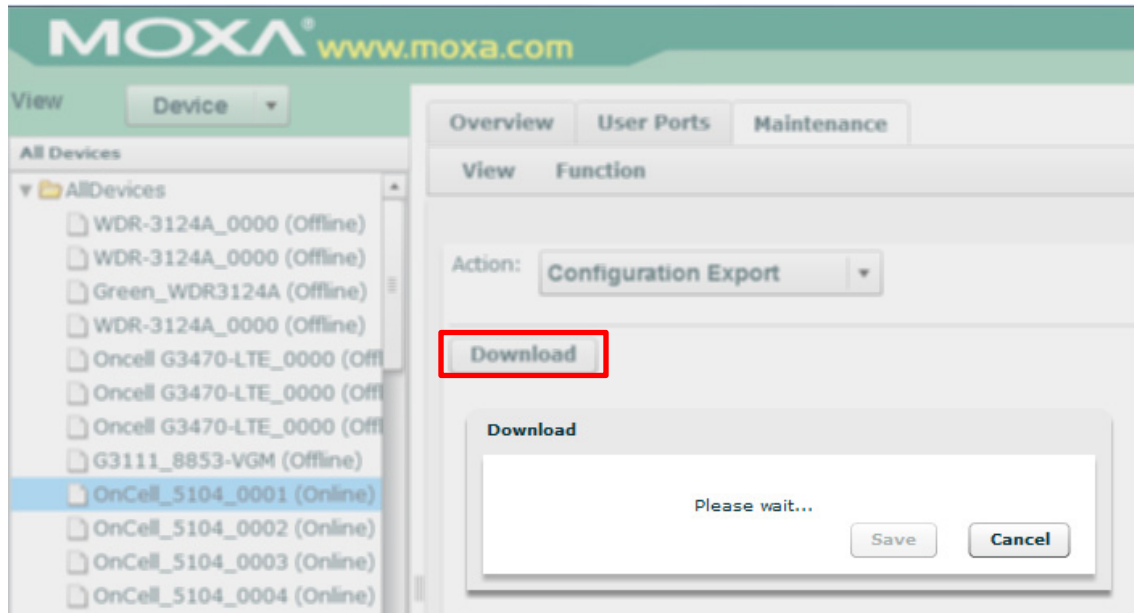
Select one of four actions from the **Action** drop-down list.

Configuration Export

Click **Configuration Export** to back up OnCell Central Manager settings, and click **Configuration Import** to restore OnCell Central Manager settings.

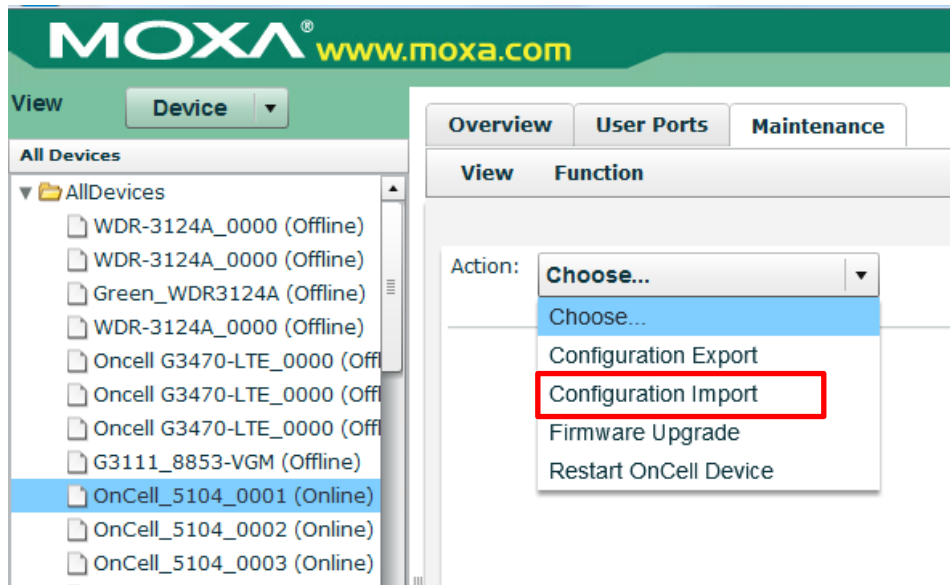


Next, click **Download** to save to a configuration text file, which can be viewed and edited with any text-editing tool.

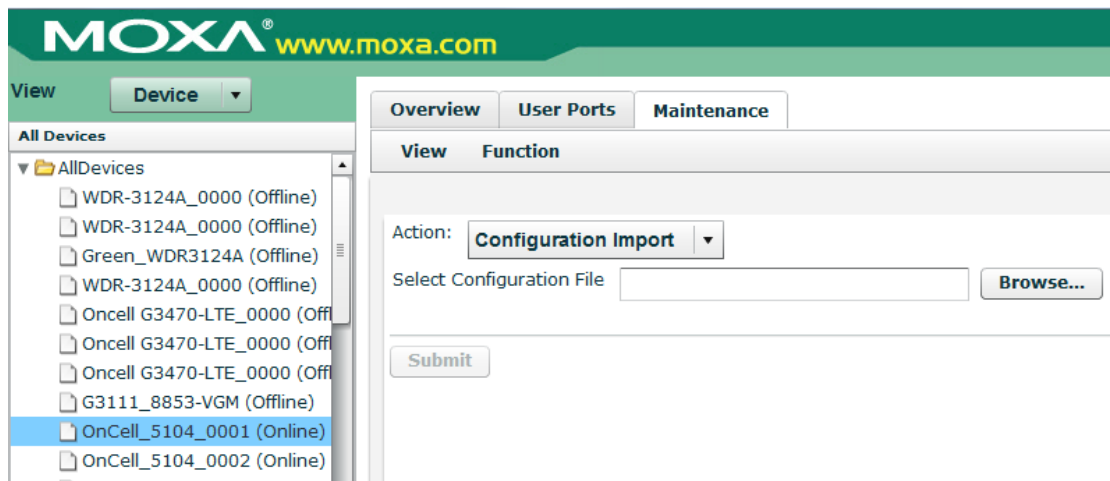


Configuration Import

Click **Configuration Import** to restore OnCell Central Manager settings.



Next, in the **Configuration Import** section, click **Browse** to select a configuration file and then click **Open files** button and **Submit** to begin importing the configuration.

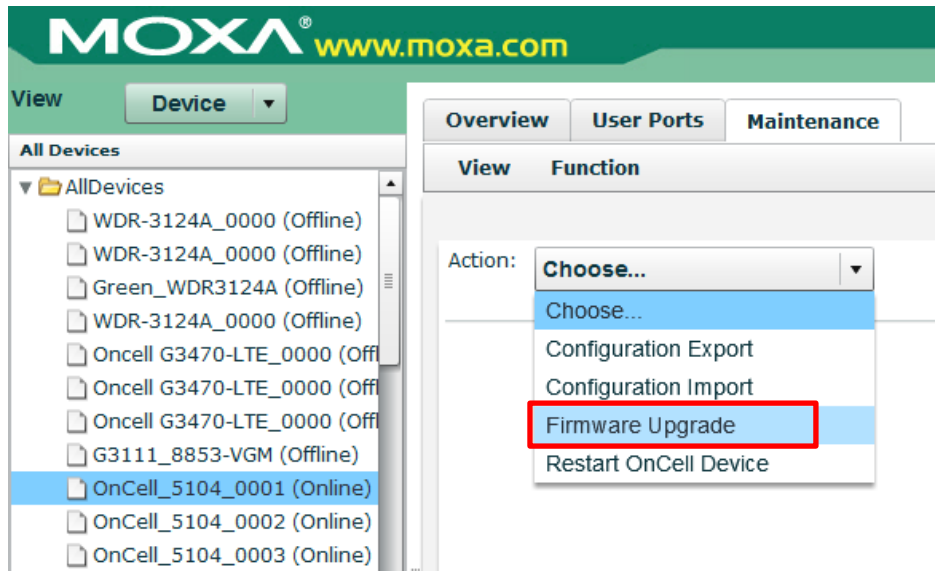


Firmware Upgrade

OnCell Central Manager allows administrators to complete a **Firmware Upgrade** from a remote site. The latest firmware is available from Moxa’s download center.

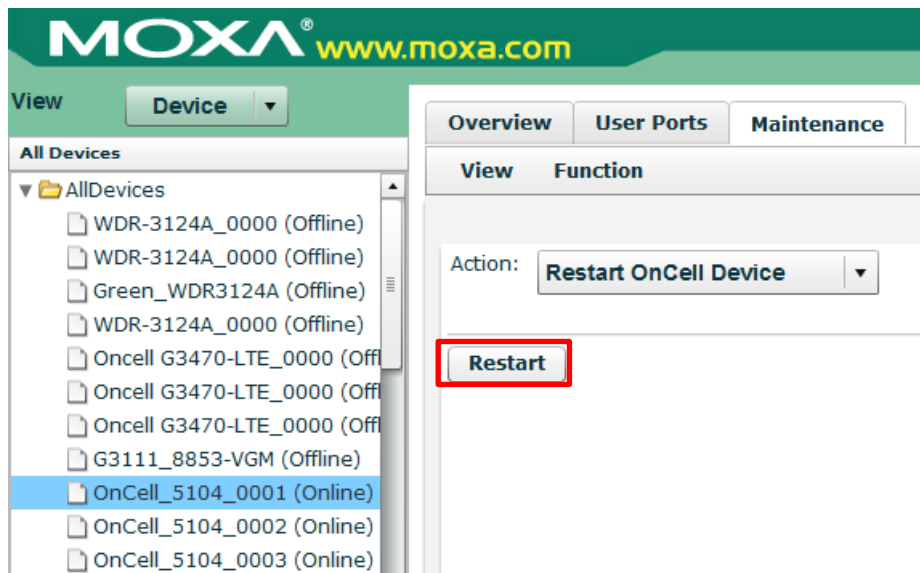
Before running a firmware upgrade, make sure the OnCell device is **off**. Click the **Browse** button to specify the firmware image file and click **Firmware Upgrade and Restart** to start the firmware upgrade. After the progress bar reaches 100%, the device will reboot itself.

When upgrading your firmware, you may not use any of the OnCell device’s other functions.



Restart OnCell Device

After changing the configuration and submitting the changes, click the **Restart** function to reboot the devices.



Device Logout

Logout allows users to disconnect OnCell Central Manager. For security reasons, we recommend that you logout before closing the console manager.

