OnCell Central Manager User's Manual

Version 1.3, March 2021

www.moxa.com/product



OnCell Central Manager User's Manual

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Introduction

OnCell Central Manager 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 Internet access that are connected to the OnCell Central Manager can be configured to communicate with devices connected to an OnCell unit.

The following topics are covered in this chapter:

- □ Key Features
- Overview
- Basic Concepts
- OnCell Central Manager Hardware Topology
- Moxa Device Compatibilities
- **G** System Requirements
 - > Minimum Hardware Requirements
 - > Software Requirements

Key Features

- Network administrators can manage up to 2000 OnCell devices and allow up to 200 simultaneous data connections between hosts* and serial/Ethernet devices with OnCell Central Manager.
- Cost-effective private IP solution
- Visual overview of device status and flexible monitoring on various platforms
- Grouping of user accounts and devices for effective access control
- Ability to manage, group, monitor, configure, and upgrade the firmware of all your devices from OnCell Central Manager

*Control center computers

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 the OnCell Central Manager, which assigns port numbers to each site, thereby making the serial and/or Ethernet devices connected to an OnCell device accessible to hosts over the Internet. OnCell Central Manager allows a host to monitor the connection status of an OnCell device and the devices connected to it. OnCell Central Manager helps you reduce maintenance costs by making it convenient to diagnose and solve problems from a central site thereby reducing the number of trips engineers have to make to remote locations.

OnCell Central Manager supports the following modes of communication:

- 1. Direct communication with private IPs hidden from the public domain
- 2. Connection over the Internet to OnCell devices with private IP SIM cards



ATTENTION

The following terms are used throughout this manual:

- OnCell or OnCell device refers to an OnCell hardware product (e.g., OnCell G3150A-LTE).
- Connected device refers to an Ethernet device connected directly to an OnCell.
- OnCell Central Manager or OCM refers to a software utility, which is the topic of this manual.
- **Host** refers to a control center computer.

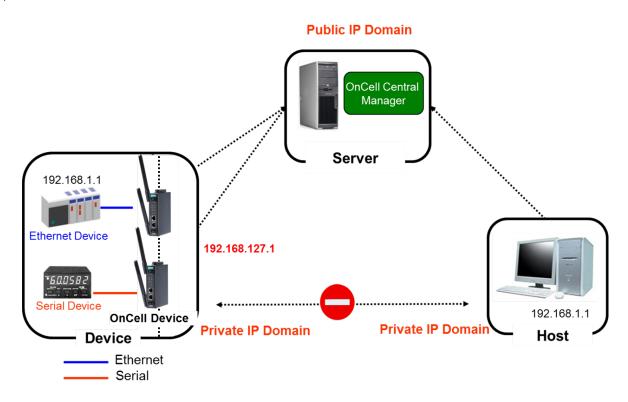
Basic Concepts

The OnCell Central Manager is designed based on the following:

- Both the host (control center computer) and OnCell devices connect with the OnCell Central Server
- OnCell Central Server designates ports on which a host can connect to serial and/or Ethernet devices attached to an OnCell device
- OnCell Central Manager allows the host to monitor the connection status of OnCell devices as well as their connected devices

OnCell Central Manager Hardware Topology

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



What are the problems associated with having private IP addresses?

- Most Internet Service Providers (ISP) only offer private IP address SIM cards for mobile devices due to the limited availability of public addresses
- Private IP addresses are hidden from the public domain
- If both the host and the modem have private IPs, they will not be able to "see" each other on a public network and thus cannot communicate with each other.

Moxa Device Compatibilities

OnCell Central Manager v2.3 is supported in the following OnCell and WDR models:

- OnCell G3100 series
- OnCell G3100-HSPA series
- OnCell G3111 series
- OnCell G3111-HSPA series
- OnCell 5000-HSPA series
- OnCell G3470A-LTE
- OnCell G3150A-LTE
- WDR-3124A

System Requirements

Minimum Hardware Requirements

- Intel[®] Core i5 or above CPU (64-bit is recommended)
- 4 GB RAM (or higher)
- 500 MB of free disk space (minimum)

Software Requirements

OnCell Central Manager is 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 10, and Windows 2012
- x64 OS: Windows 2000 Server, Windows Server 2003, Windows Server 2008, Windows 7, Windows 8, Windows 10, and Windows 2012



IMPORTANT!

Windows XP is no longer supported by Microsoft. Moxa recommends that you use Windows 7 or above.

Browsers

• OnCell Central Manager Browser

NOTE Adobe Flash is required for installing OnCell Central Manager. Adobe Flash Player is no longer supported by Adobe and all standard browsers since January 12th, 2021.

Configuring Your OnCell and Connected Devices

In this chapter, we describe how to use the web console utility of an OnCell device to establish a connection with the OnCell Central Manager and configure other devices to connect to the OnCell device.

The following topics are covered in this chapter:

OnCell Central Manager Settings

- > Configuration
- Control Port
- □ Service Forwarding

OnCell Central Manager Settings

After opening the web console configuration utility for the OnCell device, click on the **OnCell Central Manager Settings** link in the navigation panel and then click **OnCell Central Manager** to open the settings page shown below:

Configuration	
OnCell Central Manager	Enable 🔻
Manager IP	
Auto reconnect period	10 (10 - 1000 secs)
Control Port	
Management information port	63201
Management configuration port	63202
Telnet port	63203
Operation mode data port	63211
Operation mode cmd port	63251

The OnCell Central Manager page has two sections—Configuration and Control Port.

Configuration

Setting	Description	Factory Default
OnCell Central	Select Enable to allow the OnCell device to connect to the	Disable
Manager	OnCell Central Manager.	
Manager IP	Enter the public IP address that is assigned to the OnCell	None
	Central Manager.	
Auto reconnect	Enter the number of seconds the OnCell device should wait	10
period	before attempting to automatically reconnect to OnCell	
	Central Manager	
	Range: 10 to 1000	

Control Port

Setting	Description	Factory
		Default
Management	The TCP port used to transfer the status information of the OnCell	63201
information port*	device to the OnCell Central Manager	
Management	The TCP port used to transfer configuration information from the	63202
configuration port*	OnCell device to OnCell Central Manager	
Telnet port*	The TCP port in OnCell Central Manager (the server) that is listening	63203
	for a Telnet connection from OnCell devices	
Operation mode	The operation mode data port to use when forwarding data from the	63211
data port*	OnCell device connected through LAN or serial interface to the	
	OnCell Central Manager.	
	The operation mode data port in the OnCell Central Manager is	
	listening to OnCell devices.	
Operation mode cmd	This port is used to forward commands from the host to the OnCell	63251
port*	device that is connected in operation mode through the LAN or serial	
	interface.	

*-The port number must match the information port configured in OnCell Central Manager.

-To prevent port number conflicts with other applications, we suggest using port numbers in the range 49152-65535. These port numbers can be used for private and customized services, or for temporary purposes.

Service Forwarding

To access the **Service Forwarding** configuration page, expand the **OnCell Central Manager Settings** item in the navigation panel and click **Service Forwarding**.

Service Forwarding Disable V (This function is for OnCell Central Manager only.)						
Servio	e forward	ling port	63204			
No	Act.	Protocol	Eth. Device Name	Eth. Device IP	Port	Description
1		TCP 🗸				
2		TCP 🗸				
3		TCP 💙				
4		TCP 🗸				
5		TCP 🗸				
6		TCP 🗸				
7		TCP 🗸				
8		TCP 🗸				
Subm	nit					

Settings Specific to OnCell

The following settings that govern the connection between an OnCell device and OnCell Central Manager:

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

Settings Specific to Connected Devices

Settings that relate to the connection between an OnCell and its connected Ethernet devices:

Setting	Description	Factory Default
Act.	Select this checkbox to activate the connection between this	unchecked
	Ethernet device and the OnCell.	
	Note: If Service forwarding is set to Enable, the connected	
	device will be able to communicate with OnCell Central	
	Manager.	
Protocol	The protocol to use for establishing a connection between the	ТСР
	connected device and the OnCell.	
Eth. Device Name	Specify a name for the connected device.	Not applicable (N/A)
Eth. Device IP	Specify the private IP address (192.168.xxx.xxx) assigned to	N/A
	the connected Ethernet device.	
Port	Specify the Ethernet port number assigned to the connected	N/A
	Ethernet device.	
Description	Specify a description for the connected Ethernet device.	N/A

Installing OnCell Central Manager

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

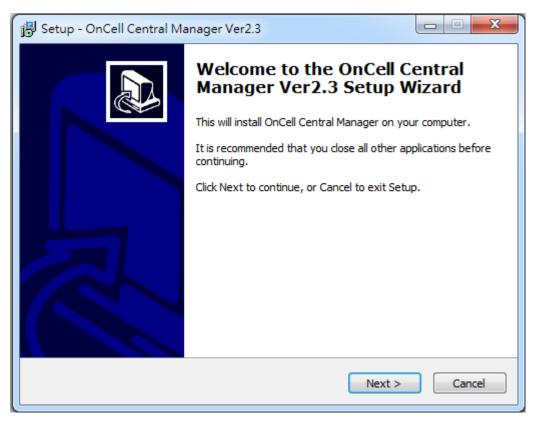
The following topics are covered in this chapter:

- Installing OCM and OCM Browser
- Using the OCM Server Tool
 - > OCM Server Tool Settings

Installing OCM and OCM Browser

Download the OnCell Central Manager and OnCell Central Manager Browser executables from <u>http://www.moxa.com/product/OnCell Central Manager.htm</u>. Be sure to select the download option for the type of OS (32-bit or 64-bit) installed on your system.

Run both the OnCell Central Manager and Browser executables and follow the onscreen instructions to install the tools.



Using the OCM Server Tool

You must first configure the IP address for the OnCell Central Manager, which will be used by other computers and OnCell devices to connect to the tool.

In the Start menu select **OnCell Central Manager** to launch the server. In the **OCM Server tool**, use the **IP for User Connection** drop-down box to select an IP address for the OnCell Central Manager. This is usually a private IP address.

🛸 OCM Server tool	
File Tool Help	
IP Settings OnCell Cer	ntral Manager
IP for User Connection 192.168.127.105 (ASIX AX8: - 192.168.40.212 (Intel(R) 82579LM Gi 192.168.162.1 (VMware Virtual Ether 192.168.127.105 (ASIX AX88178 USE Startup	net Adapter for VMnet8)
Server is stopped.	

Use the **IP for OnCell Device Connection** drop-down box to select which IP address OnCell Central Manager will use to connect to OnCell devices. This is usually a public IP address.

CCM Server tool	
File Tool Help IP Settings OnCell C	entral Manager
IP for User Connection 192.168.127.105 (ASIX AX8) - Startup/Shutdown OnCell Central Manager Startup Shutdown	IP for OnCell Device Connection 192.168.40.212 (Intel(R) 825 v) 192.168.40.212 (Intel(R) 82579LM Gigabit Network Connection) On(192.168.162.1 (VMware Virtual Ethernet Adapter for VMnet8) We 192.168.127.105 (ASIX AX88178 USB2.0 to Gigabit Ethernet Adapter #2) Database Serve Stop Start
Server is stopped.	

OCM Server Tool Settings

In the OCM Server tool, click on the **Tool** tab to access tools settings such as **Control Port Settings** and **User Port Settings**.

Control Port Settings

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

<u>9</u> 00	CM S	erver tool		
File	Тоо	l Help		
-IP S		Control Ports Settings		
User Ports Settings				
		Import OnCell User Ports/ Service For	warding	
		Add OnCell User Ports/ Service Forwa	rding	
		View OnCell User Ports/ Service Forwa	arding	226 (Intel(R) Dui
		Control Ports Testing		
Sta	mup	rsnutdown Onceir centrar manager	Web Server:	Manager Service Stop
	St	artup Shutdown	Database Serve	
			Database Serve	Statt
				*
Sen	ver is	started.		
				-

The control 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.

Control Ports Settings	×
Management information pc	63201
Management config. port:	63202
Telnet Port:	63203
OP mode data port:	63211
OP mode command port:	63251
Service forwarding port:	63204
S	ave Cancel

User Port Settings

<u>9</u> 00	CM Server tool	
File	Tool Help	
-IP S	Control Ports Settings	
	User Ports Settings	
	Import OnCell User Ports/ Service Forw Add OnCell User Ports/ Service Forward View OnCell User Ports/ Service Forward	ding
	Control Ports Testing	
Sta	Startup Shutdown Oncen Central Manager	Oncen centrar Manager Service Web Server: Stop Start Database Serve Start Stop
Sen	ver is started.	۸

The port ranges that you specify here will be used to generate port numbers of connected devices. The port numbers will map to the TCP server ports of an Ethernet device connected to an OnCell, or serial devices directly connected to an OnCell device.

User Ports Settings		×
	from	to
Data port range:	50000	51023
	51004	500.47
Command port range	51024	52047
Service forwarding port ran	52048	60239
Telnet port range:	60240	61263
Remove registered ports		
		Save Cancel

OnCell Central Manager Web Server Ports

The following table shows the ports used by OnCell Central Manager. Make sure that these port numbers are not already in use by other applications.

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 port numbers used in the screenshots in this section are for illustration purposes only. The port numbers that you can use depend on the network setup and connection status in your system.

Configuring OnCell Central Manager

In this chapter we explain the advanced functions in the OnCell Central Manager that you can use to configure, manage, and monitor devices as well as upgrade the firmware.

The following topics are covered in this chapter:

Launching OnCell Central Manager

Server Mode

- > Overview
- Port Information
- Change Password
- Managing Device Groups
- Managing User Accounts
- Managing the IP Blocklist

Device Mode

- Device View
- Group View
- Batch Configuration and Firmware Upgrade in Devices
- > User Ports
- Service Forwarding
- Firmware Upgrade
- > Remote SMS Control (available only on the OnCell G3150A-LTE)
- Managing an OnCell Device
- > Device Logout

-

Launching OnCell Central Manager

To access OnCell Central Manager:

- 1. Open the OnCell Central Manager Browser.
- 2. Enter the OnCell Central Manager's IP address (e.g., <u>http://localhost:8080</u>).
- 3. In the welcome screen, enter the login ID and Password and click Login.

C () () http://60.251.53.122.8080/OnCellCentral/	/	5 • Q	MonCell Central Manager 🗙	-	Gootena	-
		OnCell Central Manager				
		Welcome to OnCe Login ID:	ll Central Manager			
		Password:	t a site			
			Login			
Warning	×2.3					
Using the default OC	M login crede	ntials is not				
secure.						
Please reset the pass	sword.					
_						
	ок					
Modify User						
Account: *	admin					
User name:	admin					
Password: *						
Password: *						
Confirm password: 🐐	1					
				_	- 1	
		ок				
	L					

NOTE Default user name and password:

Username: **admin** Password **admin**

For security reasons, we strongly recommend changing the default password. You will be prompted to change the default password after your first login. Please follow the onscreen instructions to reset your account password.

To reset the password select **Server** \rightarrow **Change Password**.

Server Mode

In the **Server** view, OnCell Central Manager provides the device grouping function to organize the OnCell devices into different groups. An administrator can assign different roles, give each account various access levels, and assign different access rights to the various groups. You can also view information on the OS version, connected devices and their ports, device grouping, and user accounts.

Overview

The **Overview** page displays the version and copyright details of the OnCell Central Manager tool.

MOXA [®] www.moxa.com				
View : Server 🔻	Overview			
🗋 Overview				
Port Information	OnCell Central Manager			
Change Password	Version: 2.3 Build 16112411			
Device Group Management	Copyright: Moxa Inc.			
🗋 Account Management				
🗋 IP Blocklist Management				

Port Information

Click the **Port Information** link in the server menu to view the current port numbers for OnCell Central Manager. You can modify the port numbers using the web console on the device (see *Device Mode*). For detailed information, see *Chapter 2 Configuring Your OnCell and Connected Devices*.

View : Server					
View : Server •	Port Information				
🗋 Overview	Control Ports	Control Ports			
Port Information					
🗋 Change Password	Management	information port 6320	1		
Device Group Management	Management	configuration port 6320	2		
Account Management	Operation mo	de data port 6321	1		
IP Blocklist Management	Operation mo	de command port 6325	1		
	Telnet port	6320	3		
	Service forwa	rding port 6320	4		
	User Ports				
	Data port	5000	0 to	51023	
	Command por	t 5102	4 to	52047	
	Service forwa	rding port 5204	8 to	60239	
	Telnet Port	6024	0 to	61263	
	Server Prope	rties			
	Connection id	le timeout for data 120		Secs (60 to 1800) Change	

Change Password

Use the **Change Password** function to change your account password.

Change Password					
Password					
Old password:					
New password:					
Confirm password:					
	Change				

Managing Device Groups

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

Groups		Expand All Add Remove Rename Re	eload
🔻 🗁 Groups			
🖻 East			
Vorth			
► N-1			
₩ N-2			
	=		
Oevices View All Devices 🔻		Grouping Remove Rel	load
ilter: Device Name		Filter	Rese
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	30:30:30:30:35	192.168.127.254	
OnCell_5104_0002	30:30:30:30:30:32	192.168.127.254	
OnCell_5104_0003	30:30:30:30:33	192.168.127.254	

Basic Functions

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

Groups	Expand All Add Remove	Rename	Reload
🔻 🗁 Groups			•
▼ 🗁 Groups ├── East ▼ 🗁 North			=
🔻 🗁 North			_
🗁 N-1			
🗁 N-2			•

Function Name	Description
Add	Create a new group or a subgroup under the selected item
Remove	Delete the selected group or subgroup
Rename	Rename the selected group or subgroup
Reload	Refresh the groups listing

Devices

You can use the **Devices** option on the **Device Group Management** page to **View Current Groups** or **View All Devices**.

Devices View Current Groups 🔻		Grouping	Remove Reload
Filter: D View All Devices			Filter Reset
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	30:30:30:30:35	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 reco	rds: 5 20 💌 Page Number: 1		

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

Device Groups

Administrators can add a device to a group provided the device does not already belong to another group. To add a device to a group, select the group from the **Groups** section on the **Device Group Management** page and then click on the **Grouping** button below the section to open the **Select Device/New Device** window.

ilter: Device Name 🔹		Filter Res
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

NOTE A device can be part of only one group. You must first remove a device from its current group to be able to add it to another group.

Adding an Existing Device to a Group

You can view the devices that are not assigned to any group in the **Select Device** section of the **Select Device/New Device** window. Select one or more devices and then click **OK** to add the devices to the selected group.

/ Ser	ver	Devic	e Group Management							
Change Pat Device Grot Account Ma	Device Group Groups V Coroups North Filter Device Groups North Filter Device Groups See Filter Onco Filter	Group Management s roups	V Pevice MAC 30130130130130131 301301301301331 301301301301301333 301301301301333 30130130130130130130130133 30130130130133 30130130130130130130133 30130130130133	LAN IP Add 192.168.12 192.168.12 192.168.12 192.168.12 192.168.12	Filter Reset dress 27.254 27.254 27.254 27.254	Grouping	ve Rename Reload	Add Remo Grouping I IP Address I 168.127.254 I 168.127.254 I 168.127.254 I 168.127.254 I 168.127.254 I	ve Rename Remove Filte	Reload Reload
		New Device	Ok Cancel							

Adding a New Device to a Group

To create a new device object, enter the **Device MAC Address** in the **New Device** section of the **Select Device/New Device** window and click **OK** to add the device to the selected group.

	ver	Devic	e Group Management										
Overview Control Por Change Pas Device Grou Account Mai	Group V 😁 G					Expo	nd AB Add Remo	ve Rename	Reload	II Add Remo	Rena	ame	Reload
		elect Device / New Device		_						Grouping	Remove		Reload
	Dev Filter Dev	Filter: Device Name OnCell_5104_0001 OnCell_5104_0002 OnCell_5104_0003 OnCell_5104_0003 OnCell_5104_0005	Device MAC 30/30/30/30/30/31 20/30/30/30/30/32 30/30/30/30/30/32 30/30/30/30/30/30/34 30/20/20/30/30/30/34	LAN IP Ad 192.168.1 192.168.1 192.168.1 192.168.1 192.168.1	27.254 27.254 27.254 27.254 27.254	Reset	Grouping LAN IP Address	Remove	Reload r Reset	IP Address 168.127.254 168.127.254 168.127.254 168.127.254 168.127.254		Filter	Reset
		New Device	Ok Cancel										

Removing a Device from a Group

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

vice Group Management						
roups		🔄 Expand All	Add	Remove	Rename	Reloa
🗁 Groups						
🛅 East						
🔻 🛅 North						
► N-1						
<u></u> ≥N-2						
evices View All Devices			Group	ing I	Remove	Reload
ilter: Device Name					Filte	er Rese
Device Name	Device MAC	LAN I	P Address			
nCell_5104_0001	30:30:30:30:30:31	192.1	68.127.254			
OnCell_5104_0004	30:30:30:30:30:34	192.1	68.127.254			
OnCell_5104_0005	30:30:30:30:30:35	192.1	68.127.254			
DnCell_5104_0002	30:30:30:30:30:32	192.1	68.127.254			
DnCell_5104_0003	30:30:30:30:30:33	192.1	68.127.254			
1 Total Pages: 1 Total re	ecords: 5 20 💌 Page Number: 1					
VICE5 View Current Groups			Grouping	1 R	emove	Reloa

Iter: Device Name 🔻		Filter	Reset
Device Name Device MAC	Device MAC	LAN IP Address	
DnCel LAN IP Address	30:30:30:30:30:31	192.168.127.254	
DnCeli_5104_0004	30:30:30:30:30:34	192.168.127.254	
DnCell_5104_0005	30:30:30:30:30:35	192.168.127.254	
DnCell_5104_0002	30:30:30:30:30:32	192.168.127.254	
DnCell_5104_0003	30:30:30:30:30:33	192.168.127.254	

Reloading the Device List

Click Reload to refresh the device list.

ilter: Device Name		Filter	Reset
Device Name	Device MAC	LAN IP Address	
OnCell_5104_0001	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	30:30:30:30:33	192.168.127.254	

Device Filter

The **Filter** function allows you to search for devices based on the **Device Name**, **Device MAC**, or device **LAN IP Address**.

evices View Current Groups ▼		Grouping Remove Reloa
lter: Device Name 🛛 🔻		Filter Res
Device Name	Device MAC	LAN IP Address
Device MAC DnCel LAN IP Address	30:30:30:30:30:31	192.168.127.254
DnCelr_5104_0004	30:30:30:30:30:34	192.168.127.254
DnCell_5104_0005	30:30:30:30:30:35	192.168.127.254
DnCell_5104_0002	30:30:30:30:30:32	192.168.127.254
DnCell_5104_0003	30:30:30:30:30:33	192.168.127.254

Device Name

To filter devices based on a device name, choose **Device Name** in the filter options and input a keyword in the field. Click **Filter** to show the devices that match the device name keyword.

Device MAC

Choose the **Device MAC** option and input a partial or complete MAC address to filter the devices based on their MAC addresses.

Device LAN IP Address

To filter the devices based on their IP address, choose the **LAN IP address** option and key in the complete or partial IP address to filter the devices.

Resetting the Filter

Use the **Reset** button to clear all device filter criteria.

NOTE The information in the above screens is for illustration purposes only. The device parameters of the devices featured depend on the connection status of the devices and the actual network environment.

Managing User Accounts

You can assign different roles to users, give each user account various access levels, and monitor the current status of the user accounts on the **Account Management** page.

Iser Information			Add Edit	Delete Reload	Accessible Groups
Login Account	User Name	Role	Parent	Status	Edit 🗹 Expand All
admin	admin	Admin	system	enable	🔻 🗁 Groups
user1	user1	Super User	admin(admin)	enable	East
					Vorth 🔁
					🗁 N-1
					🗁 N-2
					🖻 Other
					🗁 South
					🗁 West

Creating a New User Account

To create a new user account, click on the **Add** button in the **Account Managemen**t page. Specify an **Account** name, assign a role to the user account, specify the parent level, and select the groups to which the user has access rights. Enable the account and click **Ok**.

User Information			Add	Edit	Delete
	Add Edit	Delete	Re		
Account: 🗚					
User name:					
Password: *					
Confirm password: *					
Role: *	Super User	· · · · · · · · · · · · · · · · · · ·			
Parent: *	admin(admin)-Admin	•]			
Enable account:	Enable				
Groups	Selected (Groups			
▼ 🚰 Groups		cted Groups			
North	->				
🗁 Other	<-				
🗁 South					
🔁 West					
	Ok Cancel		-		
	Ok Cancel				

Field	Description						
Account	Account name used to log in to OnCell Central Manager						
User name	(optional) You may enter a nickname or the user's name.						
Password	Password used to log in to OnCell Central Manager.						
Confirm Password	Confirm the password by retyping the same in this field						
Role	Admin: Can access all groups, devices, and user information.						
	Super User: Can only access subgroups, devices in the subgroup, and user						
	information for users created by this Super User.						
	User: Can only view device information						
Parent	The higher level or top administrator of the current account.						
Enable account	Check this option to activate the user account.						

Modifying User Account Information

On the **Account Management** page, select the user account and click **Edit** to modify the account information.

Account Management				
User Information	Add	Edit	Delete	Reload

Update the user information as needed in the **Modify Use**r window and click **Ok** to apply the changes.

Modify User	
Account: *	admin
User name:	admin
Password: *	******
Confirm password: 🛊	******
Enable account:	✔ Enable
	Ok Cancel

Refreshing User Information

Click **Reload** in the **Account Management** page to refresh the user information.

Account Management				
User Information	Add	Edit	Delete	Reload

Managing the IP Blocklist

The IP blocklist allows administrators to block communication from specific IP addresses.

To block communication from a specific IP address or a range of IP addresses, Click on the **IP Blocklist Management** link in the **Server** view to define a **Block Action**. Fill in the details and click **Add**.

IP Blocklist Manageme	nt					
Block Action						
IP blocklist:	🖌 Ena	ble				
	 Acc 	ept IP 🔘 Permitted IP				
IP range:	From	192.168.127.1	to 192	.168.127.100]	
Description:					Add Update Delete	
From				to		Description
192.168.127.1				192.168.127.100		
'ou can use	the U	pdate butto	on to up	odate the	block action or the Delete	button to delete an existing block

action.

NOTE To further increase security during communication, some OnCell devices can form OpenVPN tunnels. Refer to the user manual for your OnCell device for details on setting up the OpenVPN function.

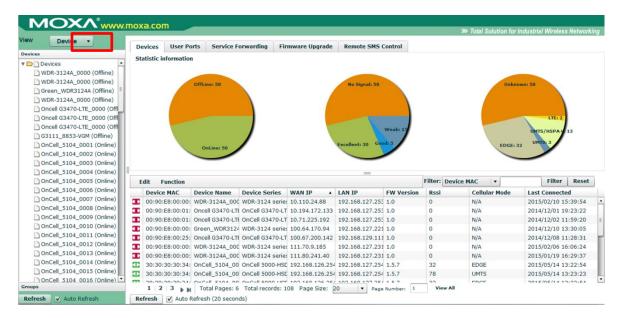
Device Mode

OnCell Central Manager provides a dashboard that displays the connection status, signal RSSI, and cellular mode of connected devices. You can view these details in the **Device** or **Group** view. Click on the various headings (Device MAC, Device Name, etc.) to change the way the information is sorted.

Pass your cursor over the pie charts to view detailed information.

Device View

The **Device** view is selected by default. In the device view, you can view device details, perform batch configuration of devices, and perform firmware upgrades.



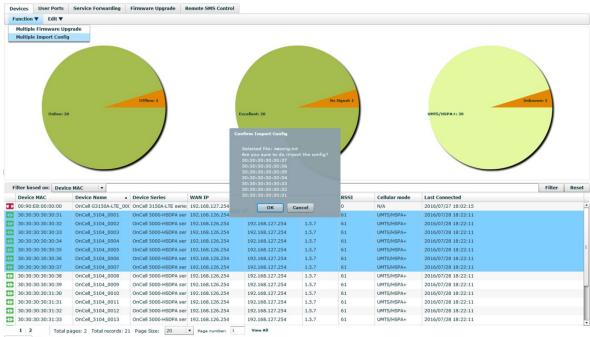
Group View

Click the **Group** option to view information organized by device groups. You can use this view to batch configure device settings in device groups or subgroups.

W Device T											
	Devices	User Ports	Service Forwarding	Firmware Upg	rade I	Remote SMS	Control				
·P	Statistic in	nformation									
Groups											
North											
≥N-1											
≥ N-2											
Other		OffLine: 50		No Si	gnal: 50			Unkno	own: 50		
South			OnLine: 6			Excellent	5			LTE: 5	
West											
≥ West											
2 West	П									/	
West	1					_					
≥West	II View All De	evices 🔻	Edit Function				Filter: De	vice MAC 🔹		Filter	Reset
⊖West		evices • e M/ Device Na		evice S WAN IP		FW Version		evice MAC 🔻	Last Connect		Reset
⊖West	• Device		me D	evice S WAN IP nCell 5(192.168.	LAN IP	FW Version			Last Connect 2015/05/19 ::	ted	Reset
⊖West	• Device 1 30:30	e M/ Device Na	me D 04_0046 O		LAN IP 192.168.	FW Version 1.5.7	Rssi	Cellular Mode		ted 17:03:20	Reset
West	 Device 30:30 30:30 	e M/ Device Na :30:: OnCell_51	me D 04_0046 O 04_0048 O	nCell 5(192.168.	LAN IP 192.168. 192.168.	FW Version 1.5.7 1.5.7	Rssi 22	Cellular Mode	2015/05/19	ted 17:03:20 17:03:20	Reset
⊇West	 Device 30:30: 30:30: 30:30: 30:30: 	e M/ Device Na :30:: OnCell_510 :30:: OnCell_510	me D 04_0046 0 04_0048 0 04_0047 0	nCell 5(192.168. nCell 5(192.168.	LAN IP 192.168. 192.168. 192.168.	FW Version 1.5.7 1.5.7 1.5.7	Rssi 22 22	Cellular Mode LTE LTE	2015/05/19 2015/05/19	ted 17:03:20 17:03:20 17:03:20	Reset
⊖West	 Device 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 	e M/ Device Na 30:: OnCell_510 30:: OnCell_510 30:: OnCell_510	me D 04_0046 0 04_0048 0 04_0047 0 04_0047 0	nCell 5(192.168. nCell 5(192.168. nCell 5(192.168.	LAN IP 192.168. 192.168. 192.168. 192.168.	FW Version 1.5.7 1.5.7 1.5.7 1.5.7	Rssi 22 22 22 22	Cellular Mode LTE LTE LTE	2015/05/19 2015/05/19 2015/05/19	ted 17:03:20 17:03:20 17:03:20 17:03:20	Reset
2 West	V Device 11 30:30: 12 30:30: 13 30:30: 14 30:30: 15 30:30: 16 30:30: 17 30:30:	e M/ Device Na :30:: OnCell_51(:30:: OnCell_51(:30:: OnCell_51(:30:: OnCell_51(me D 04_0046 0 04_0048 0 04_0047 0 04_0047 0 04_0049 0 04_0050 0	nCell 5(192.168. nCell 5(192.168. nCell 5(192.168. nCell 5(192.168.	LAN IP 192.168. 192.168. 192.168. 192.168. 192.168.	FW Version 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7	Rssi 22 22 22 22 22	Cellular Mode LTE LTE LTE LTE LTE LTE	2015/05/19 2015/05/19 2015/05/19 2015/05/19	ted 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20	Reset
	 Device 30:30; 30:30; 30:30; 30:30; 30:30; 30:30; 30:30; 30:30; 	e M/ Device Na :30:: OnCell_510 :30:: OnCell_510 :30:: OnCell_510 :30:: OnCell_510 :30:: OnCell_510	me D 04_00046 O 04_0047 O 04_0047 O 04_0047 O 04_0047 O 04_0050 O 04_0050 O	nCell 5(192.168. nCell 5(192.168. nCell 5(192.168. nCell 5(192.168. nCell 5(192.168. nCell 5(192.168.	LAN IP 192.168. 192.168. 192.168. 192.168. 192.168. 192.168.	FW Version 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7	Rssi 22 22 22 22 22 22 22	Cellular Mode LTE LTE LTE LTE LTE LTE LTE LTE LTE	2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19	ted 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 16:56:21	Reset
ee West	 Vevici 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 	e M/ Device Na :30:: OnCell_51(:30:: OnCell_51(:30:: OnCell_51(:30:: OnCell_51(:30:: OnCell_51(:30:: OnCell_51(me D 04_0046 0 04_0048 0 04_0047 0 04_0049 0 04_0050 0 04_0057 0 04_0077 0 04_0078 0	nCell 5(192.168. nCell 5(192.168. nCell 5(192.168. nCell 5(192.168. nCell 5(192.168. nCell 5(192.168.	LAN IP 192.168. 192.168. 192.168. 192.168. 192.168. 192.168. 192.168.	FW Version 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7 1.5.7	Rssi 22 22 22 22 22 22 22 22 0	Cellular Mode LTE LTE LTE LTE LTE LTE N/A	2015/05/19 2 2015/05/19 2 2015/05/19 2 2015/05/19 2 2015/05/19 2 2015/05/19 2	ted 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 16:56:21 16:56:21	Reset

Batch Configuration and Firmware Upgrade in Devices

You can use the OnCell Central Manager to remotely update firmware on devices and configure devices in batches. Use the **Multiple Firmware Upgrade** or the **Multiple Import Config** options, as applicable, to select the devices or groups to apply the configuration updates and firmware upgrades.



Refresh 🗹 Auto Refresh (20 seconds)

User Ports

In the **Device** mode, click on the **User Ports** tab to display the status details of all ports, including their operation mode and port type (command/data/telnet).

Filter based on:	Device Name	•				Filter Rese
Port Type	Device Name	Device MAC	Status	OP Mode	Serial Port	Ethernet Port
elnet	Green_WDR3124A	00:90:e8:00:00:29	Close	N/A	N/A	60240
elnet	Oncell G3470-LTE_000	00:90:e8:00:01:23	Close	N/A	N/A	60241
elnet	WDR-3124A_0000	00:90:e8:00:00:73	Close	N/A	N/A	60242
elnet	Oncell G3470-LTE_000	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

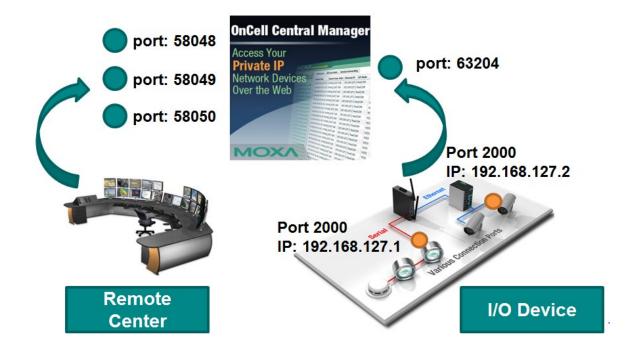
Service Forwarding

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

Devices	User Ports	Service Forwarding	Firmware L	pyrade	Remote SMS	control	Filtor	Device M/	AC	•	Filter	Rese
											Theer	Rese
Status	Device MAC	Service Port			Device Name	LAN Dev		Port	Descrip			
Closed	00:90:E8:00:0		TCP	test6		192.168.		6666	test666	6		
Closed	00:90:E8:03:1	1:12 52049	TCP	Modic	on PLC	10.139.6	4.15	20000				

Refresh 🗹 Auto Refresh (20 seconds)

Service Forwarding Concept



Firmware Upgrade

In the **Device** mode, click on the **Firmware Upgrade** tab to display the upgrade status and history of all devices connected to the OCM.

Devices	User Ports	Service Forwarding	Firmware Upgrade	Remote SMS Control		
Function	•					
Clear F	inished And Ca	anceled Upgrades	Device Model	Firmware Support	Upgrade Status	Upgrade Percentage
Cancel	selection		WDR-3124	WDR-3124 series	Success	100%
Oncell G347	70-LTE_0000	00:90:E8:00:01:23	OnCell G3470-LTE	OnCell G3470-LTE series	Success	100%
Oncell G347	70-LTE_0000	00:90:E8:00:25:C3	OnCell G3470-LTE	OnCell G3470-LTE series	Success	100%
Green_WD	R3124A	00:90:E8:00:00:29	WDR-3124	WDR-3124 series	Time out error	3%

NOTE The information shown in the figures is for demonstration purposes only. The actual information depends on the connection status and configuration of your network.

Remote SMS Control (available only on the OnCell G3150A-

LTE)

The OnCell Central Manager uses a third-party cloud service from Twilio to send SMS control commands to OnCell devices to remotely reboot the devices, initiate VPN connections, get status information, and perform firmware upgrades.

In the **Device** mode, click on the **Remote SMS control** tab to access the Twilio function. Fill in the **account SID** and **authorized token** and click **OK** to activate Twilio function.

Devices	User Ports	Service Forwarding	Firmware Upgrade	Remote SMS Control
Twilio Con	figuration			
		emember this account 🗈	_	OK Legister

A group-based view of all the OnCell G3150A-LTE devices is displayed.

ΜΟΧΛ [®] www.π	noxa.com			>>> Complete Solutions fo	r Industrial Wireless Ne
View : Device •	Devices User Ports	Service Forwardin	g Firmware Upgrade	Remote SMS Control	
Groups	Function V				
Groups	Select Twilio call ID:	+14796898335			
Test1	Device name:				Get number
	Support function:	OCM IP change	•		
	Message:	@[PASSWORD]@ip.cha	nge@[IP]		Submit
	Device Name	LAN IP	Last Connected	Device call ID	
	🔟 Liepajas apgaismoju	ims 192.168.1.1	2017/03/27 16	:56:43	
	OnCell_G3111_NIME	RA 193.168.40.114	2017/03/27 16	:56:54	
	OnCell_G3251_4988	192.168.127.10	2017/03/27 16	:56:47	
	MOXA_LAB_OnCell_C	33111 192.168.127.13	2017/03/27 16	:56:45	
	OnCell_G3151_8845	192.168.127.11	2017/03/27 16	:56:45	
	OnCell_G3211_1682	192.168.127.12	2017/03/27 16	:56:44	
	OnCell_5104_0006	192.168.127.25	4 2017/03/27 16	:56:39	
Devices					
Refresh 🗸 Auto Refresh	Refresh 🗸 Auto Refre	esh (20 seconds)			

Twilio

Twilio is a third-party cloud service provider of SMS messaging service. To use this OCM service, you will require a Twilio account and token. You can click on the **Register** button to register an account with Twilio and retrieve a token. Additional details on Twilio are available at: <u>https://www.twilio.com/</u>

NOTE To enable the Twilio platform to accurately process your SMS messages, make sure you set the correct locale setting (country and region) when you register your account on the Twilio website.



IMPORTANT!

There might be instances where the ISP used by Twilio changes the character "@" to " Δ " when performing remote SMS control commands. If this happens, we suggest that you switch to another ISP to prevent such issues in the future.

If you are sending an SMS message to a Taiwanese ISP whose SIM card is used in the OnCell device, select the ASIA region as shown below. The ASIA region setting includes Taiwan.

::	CONSOLE	🔁 🎦 ? moxaiwOCM@gm 🗸
ŧ	Programmable SMS	Messaging Geographic Permissions
\square	Dashboard	Filter by country name Filter
	Messaging Services	ASIA
•	Short Codes Tools	Afghanistan (+93) Armenia (+374)
	Logs	Azerbaijan (+994)
	Insights Add-ons	 ✓ Bahrain (+973) ✓ Bangladesh (+880)
	<i>Beta</i> Usage	✓ Bhutan (+975)
	Settings	Srunei (+673)
	General Geo Permissions	 ✓ Cambodia (+855) ✓ China (+86)
	Getting Started	East Timor (+670)
		Georgia (+995)
	Twilio © 2016	Hong Kong (+852)
	Privacy & Terms	✓ India (+91)

If the country/region is not set correctly, it may result in the Twilio system not sending out the SMS messages. The following example shows an error message as a result of a failed transmission of an SMS message because of incorrect location settings.

Devices	User Ports	Service Forwarding	Firmware Upgrade	Remote SM	1S Control	
Function	•					
Select Twilic	o call ID:	+14796898335	•			
Device nam	e:	OnCell G3470A-LTE_0000	;			Get number
Support fun	iction:	Restart	•			
Message:		@[PASSWORD]@restart				Submit
Device Nar	ne	LAN IP	Last Connect	ed	Device call I	D
OnCell G34	70A-LTE_0000	Message		7:41:40	+886972613	424
OnCell G31	50A-LTE_0000			7:41:40		
OnCell G31	50A-LTE_0000	HTTP/1.1 400 BAD REC Permission to send an enabled for the region number: +8869726134	SMS has not been indicated by the 'To' 24.	7:41:40		

Managing an OnCell Device

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

Overview

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

Device •		Overview	User Ports	Maintenance	RSSI Monitor
		View Fu	nction V		
	÷.				
4A_0000 (Offline)					
4A_0000 (Offline)		Device Name		OnCell_G3151-	HSPA_997
DR3124A (Offline)		Model Name		OnCell G3151-ł	HSPA
A_0000 (Offline)		Serial No.		997	
70-LTE_0000 (Offline)		Firmware Ver	sion	1.1	
0-LTE_0000 (Offline)		WAN IP Addr	855	N/A	
0-LTE_0000 (Offline)					
-VGM (Offline)	-11	LAN IP Addre		192.168.127.5	
1-HSPA_997 (Online)		LAN MAC Add	iress	00:90:E8:42:F0	0:C2
4_0001 (Online)		Last Connect	ted	2015/05/19 18	:04:26
4_0002 (Online)		Rssi		0	
04_0003 (Online)		Cellular Mode	2	N/A	
04_0004 (Online)					
04_0005 (Online) 04_0006 (Online)					
04_0008 (Online)					
4_0007 (Online) 4_0008 (Online)					
4_0008 (Online)					
4_0010 (Online)					
4_0011 (Online)					
_0012 (Online)					

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 you to delete records or assign a new forwarding port.

V Device •	Overview	User Ports	Maintenand	RSSI Mo	nitor				
Devices	View Fu	nction							
AllDevices	_								
WDR-3124A_0000 (Offline)	User Ports	User Ports							
WDR-3124A_0000 (Offline)	Telnet					Change Telnet Po	rt En	able Telnet	Reset Telnet
Green_WDR3124A (Offline)	Port: 6	244	C1 -1	Registered					<u></u>
WDR-3124A_0000 (Offline)			Status:	Registered					_
Oncell G3470-LTE_0000 (Offline)	Operation M	lode					Char	nge User Port	Reset OP Mode
Oncell G3470-LTE_0000 (Offline)	Status		Port Type	0	OP Mode	Seri	al Port	Et	hernet Port
Oncell G3470-LTE_0000 (Offline)	Registered		Data		RealCOM	Port	1	50	001
G3111_8853-VGM (Offline)	Registered		Command		RealCOM	Port	1	51	025
OnCell_G3151-HSPA_997 (Online)									
OnCell_5104_0001 (Online)									
OnCell_5104_0002 (Online)									
OnCell_5104_0003 (Online)									
OnCell_5104_0004 (Online)	Service For	and the second sec	_						
OnCell_5104_0005 (Online)	Service For	warding					De	lete Record	Reset Forwardin
OnCell_5104_0006 (Online)	Status	Servio	e Port	Protocol L	AN Device Name	LAN IP	Port	Description	
OnCell_5104_0007 (Online)	Registered	52051		TCP 5	678Device Name	192.168.127.105	5678		
OnCell_5104_0008 (Online)	Registered	52050		TCP 5	677Device Name	192.168.127.211	5677		
OnCell_5104_0009 (Online)									
OnCell_5104_0010 (Online)									
OnCell_5104_0011 (Online)									
OnCell 5104 0012 (Online)	•								

Maintenance

Maintenance functions provide an administrator with tools to manage the Telnet and user ports (configuration and activation), export RSSI signal records, restore an operation mode with service forwarding, export/import configuration, and upgrade firmware.

Overview	User Ports	Maintenance	RSSI Monitor
View Fi	unction V		
Maintenance	2		
Action:	elect an actio		
Scion	elect an action	0	

Function

In the **Maintenance** tab, click on the **Function** drop-down box to view the maintenance functions available.

ew Device 🔻	Overview	v User Por	ts Main	tenance	RSSI Monitor
II Devices	View	Function V			
AllDevices	view				
WDR-3124A_0000 (Offline)		Enable Teln	et		
WDR-3124A_0000 (Offline)	Mainten	Reset Telne	t		
Green_WDR3124A (Offline)		Change Teli	net Port		
WDR-3124A_0000 (Offline)	Action:	Change Use	r Port		.
Oncell G3470-LTE_0000 (Off		Export Sign	al Record		
Oncell G3470-LTE_0000 (Off		Reset Op M	ode		
Oncell G3470-LTE_0000 (Offi		Reset Forw	arding		
G3111_8853-VGM (Offline)					
OnCell_5104_0001 (Online)					
OnCell_5104_0002 (Online)					
OnCell_5104_0003 (Online)					

Item	Description
Enable Telnet	Activates Telnet
Reset Telnet	Restores Telnet connection
Change Telnet Port	Used to change the Telnet port number of the device
Change User Port	Used to change the user port number of the device
Export Signal Record	Select an OnCell device and use this option to export RSSI statistics to view the
	signal history
Reset Op mode	Used to restart the operation mode in the device to restore its connection with
	ОСМ
Reset Forwarding	Used to restart the Service Forwarding function in the device to restore its
	connection with OCM

Action

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

Configuration Export

Click **Configuration Export** to back up OnCell Central Manager settings.

View Device •	Overview	User Ports	Maintenance	RSSI Monitor		
All Devices	View Function V					
AllDevices						
🗋 WDR-3124A_0000 (Offline)						
WDR-3124A_0000 (Offline)	Maintena	Maintenance				
🗋 Green_WDR3124A (Offline) 📱						
WDR-3124A_0000 (Offline)	Action:	Select an actio	n	•		
🗋 Oncell G3470-LTE_0000 (Off	L					
Oncell G3470-LTE_0000 (Offi		Select an action				
Oncell G3470-LTE_0000 (Offi		Configuration E	xport			
G3111_8853-VGM (Offline)	-	Configuration Ir	nport			
OnCell_5104_0001 (Online)		Firmware Upgra	do			
OnCell_5104_0002 (Online)		Filliwale opgia	ue			
OnCell_5104_0003 (Online)		Restart OnCell [Device			

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

Overview	User Ports	Maintenance	RSSI Monitor
View Fr	unction v		
aintenanco	1		
Action: C	onfiguration	Export	×
	_		
Download		Download	
		Please wait	t
		S	Cancel

Configuration Import

Click Configuration Import to restore the OnCell Central Manager settings using a configuration file.

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

Overview	User Ports	Maintenance	RSSI Monitor	
View F	unction T			
view Fi				
Maintenance	e			
Action:	<i>c</i>	-		
C	onfiguration	Imp V		
Select Confi	D			
Select Conin	guiation File			Browse
Submit				
- Subinit				
	View Free Maintenance Action: C	View Function ▼ Maintenance Action: Configuration Select Configuration File	View Function ▼ Maintenance Action: Configuration Imp Select Configuration File	View Function ▼ Maintenance Action: Configuration Imp Select Configuration File

Firmware Upgrade

OnCell Central Manager allows administrators to run a **Firmware Upgrade** deployed at remote sites. 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 select the firmware image file and click **Firmware Upgrade** to start the firmware upgrade. After the progress bar reaches 100%, the device will reboot itself.

When upgrading your firmware, you cannot use any other functions on the OnCell device.

Overview	User Ports	Maintenance	RSSI Monitor			
View Function V						
-						
Maintenance	5					
Action:	Action: Firmware Upgrade					
Action. FI	rmware upg	rade	•			
Target Devic	ce Or	Cell_G3111_BV-2	23			
Firmware ve	rsion 1.6	1.6				
Selected Fire	mware File				Browse	
Upgrade]					

Restarting an OnCell Device

To restart an OnCell device, click on the **Restart** button in the **Maintenance** tab.

Overview	W User Ports	Maintenance	RSSI Monitor
View	Function V		
Maintena	nce		
Action:	Restart OnCel	l Device	•
Restar	t		

Device Logout

The **Log out** option allows users to disconnect from the OnCell Central Manager. For security reasons, we recommend that you log out before closing the console manager.

	ioxa.com
View : Log out *	Overview
Overview Port Information Change Password Device Group Management Account Management	OnCell Central Manager Version: 2.3 Build 16112107 Copyright: Moxa Inc.
IP Blocklist Management	Comfirm Logout Are you sure you want to log out? Yes No