OnCell Central Manager User's Manual

Version 1.4, June 2021

www.moxa.com/product



OnCell Central Manager User's Manual

The software described in this manual is furnished under a license agreement and may be used only in accordance with the terms of that agreement.

Copyright Notice

© 2021 Moxa Inc. All rights reserved.

Trademarks

The MOXA logo is a registered trademark of Moxa Inc. All other trademarks or registered marks in this manual belong to their respective manufacturers.

Disclaimer

Information in this document is subject to change without notice and does not represent a commitment on the part of Moxa.

Moxa provides this document as is, without warranty of any kind, either expressed or implied, including, but not limited to, its particular purpose. Moxa reserves the right to make improvements and/or changes to this manual, or to the products and/or the programs described in this manual, at any time.

Information provided in this manual is intended to be accurate and reliable. However, Moxa assumes no responsibility for its use, or for any infringements on the rights of third parties that may result from its use.

This product might include unintentional technical or typographical errors. Changes are periodically made to the information herein to correct such errors, and these changes are incorporated into new editions of the publication.

Technical Support Contact Information

www.moxa.com/support

| <u>Moxa Americas</u> | | | <u>ina (Shanghai office)</u> |
|----------------------|----------------------|----------------|------------------------------|
| Toll-free: | 1-888-669-2872 | Toll-free: | 800-820-5036 |
| Tel: | +1-714-528-6777 | Tel: | +86-21-5258-9955 |
| Fax: | +1-714-528-6778 | Fax: | +86-21-5258-5505 |
| Moxa Eu | rope | <u>Moxa As</u> | ia-Pacific |
| Tel: | +49-89-3 70 03 99-0 | Tel: | +886-2-8919-1230 |
| Fax: | +49-89-3 70 03 99-99 | Fax: | +886-2-8919-1231 |
| Moxa Ind | lia | | |

+91-80-4172-9088

+91-80-4132-1045

Tel: Fax:

Table of Contents

| 1. | Introduction | 1-1 |
|----|--|--|
| | Key Features | 1-2 |
| | Overview | 1-2 |
| | Basic Concepts | 1-2 |
| | OnCell Central Manager Hardware Topology | 1-3 |
| | Moxa Device Compatibilities | 1-3 |
| | System Requirements | 1-4 |
| | Minimum Hardware Requirements | 1-4 |
| | Software Requirements | 1-4 |
| 2. | Configuring Your OnCell and Connected Devices | 2-1 |
| | OnCell Central Manager Settings | 2-2 |
| | Configuration | 2-2 |
| | Control Port | 2-2 |
| | Service Forwarding | 2-3 |
| 3. | Installing OnCell Central Manager | |
| | Installing OCM and OCM Browser | 3-2 |
| | Using the OCM Server Tool | |
| | OCM Server Tool Settings | |
| 4 | Configuring OnCell Central Manager | 4-1 |
| | | بر ہے۔ 1_2 |
| | Sanzar Moda | 4-3 |
| | Overview | 4-3 |
| | Port Information | 4-4 |
| | Change Password | 4-4 |
| | Managing Device Groups | 4-5 |
| | Managing User Accounts | |
| | Managing the IP Blocklist | |
| | Device Mode | 4-12 |
| | | |
| | Device View | |
| | Device View Group View | |
| | Device View Group View Batch Configuration and Firmware Upgrade in Devices | |
| | Device View Group View Batch Configuration and Firmware Upgrade in Devices User Ports | 4-12 4-13 4-13 4-14 |
| | Device View Group View Batch Configuration and Firmware Upgrade in Devices User Ports Service Forwarding | 4-12 4-13 4-13 4-14 4-14 |
| | Device View Group View Batch Configuration and Firmware Upgrade in Devices User Ports Service Forwarding Firmware Upgrade | 4-12 4-13 4-13 4-14 4-14 4-14 |
| | 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) | 4-12 4-13 4-13 4-14 4-14 4-14 4-15 4-16 |
| | 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 | 4-12 4-13 4-13 4-14 4-14 4-14 4-15 4-16 4-18 |
| | 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 | 4-12 4-13 4-13 4-14 4-14 4-14 4-15 4-16 4-18 4-23 |

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 by 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 Series
- OnCell G3150A-LTE Series
- WDR-3124A Series

OnCell Central Manager v2.4.1 is supported by the following OnCell models with support for Moxa Protocol connection encryption:

OnCell 3120-LTE-1 Series

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

- 32-bit OS: Windows Server 2012, Windows 7, Windows 8, Windows 10
- 64-bit OS: Windows Server 2012, Windows 7, Windows 8, Windows 10



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:

| OnCell Central Manager | | | | |
|---------------------------------|---------------------|--|--|--|
| 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 | | | |
| Submit | | | | |

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**.

| Servi | Service Forwarding | | | | | |
|--------|--|-----------|------------------|----------------|------|-------------|
| Servi | Service forwarding Disable V (This function is for OnCell Central Manager only.) | | | | | |
| Servio | e forward | ding port | 63204 |] | | |
| No | Act. | Protocol | Eth. Device Name | Eth. Device IP | Port | Description |
| 1 | | TCP 🗸 | | | | |
| 2 | | TCP 🗸 | | | | |
| 3 | | TCP 🗸 | | | | |
| 4 | | тср 🗸 | | | | |
| 5 | | TCP 🗸 | | | | |
| 6 | | TCP 🗸 | | | | |
| 7 | | TCP 🗸 | | | | |
| 8 | | TCP 🗸 | | | | |
| | | | | | | |
| Subn | 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 192.168.127.105 (ASIX AX88178 USE | IP for OnCell Device Connection 192.168.40.212 (Intel(R) 825 ▼) gabit Network Connection) net Adapter for VMnet8) i2.0 to Gigabit Ethernet Adapter #2) |
| Startap | Database Serve Stop Start |
| 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.

| 🐊 OCM Server tool | |
|---|--|
| File Tool Help IP Settings OnCell Co | 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 - 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. | T |

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 | | |
| | | Control Ports Settings | | |
| | | User Ports Settings | | |
| | | Import OnCell User Ports/ Service For | warding | |
| | | Add OnCell User Ports/ Service Forwa | rding | Device Connection |
| | | View OnCell User Ports/ Service Forwa | arding | 226 (Intel(R) Dui |
| - | | Control Ports Testing | | |
| Sta | mup | rshutdown Oncell Central Manager | Web Server: | Stop Start |
| | St | artup Shutdown | Database Serve | Start Stop |
| 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 | x |
|---------------------------|------------|
| 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 |
| Si | ave Cancel |
| | |

User Port Settings

| Select User Port Settings to | view and/or modif | v the OnCell Central | Manager's user ports. |
|------------------------------|-------------------|----------------------|-----------------------|
| | | / | |

| <u>9</u> 00 | CM Server tool | |
|-------------|---|--------------------------|
| File | Tool Help | |
| -IP S | Control Ports Settings | |
| | User Ports Settings | |
| | Import OnCell User Ports/ Service Forwarding Add OnCell User Ports/ Service Forwarding View OnCell User Ports/ Service Forwarding | Device Connection |
| | Control Ports Testing | |
| Sta | Startup Shutdown Oncen central Wanager Oncen central Startup Shutdown Database Server | Stop Start Start Stop |
| Sen | ver is started. | - |

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 | | X |
|-----------------------------|----------|-------|
| | <i>(</i> | 1- |
| Data port range: | Trom | 51022 |
| Data port range. | 50000 | 51025 |
| Command port range | 51024 | 52047 |
| | 500.40 | |
| Service forwarding port ran | 52048 | 60239 |
| Telnet port range: | 60240 | 61263 |
| Remove registered ports | | |
| | | Save |

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 | 8080 | | |
| 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.

| Varning Using the default OCM login credentials is not secure. Please reset the password. OK | - (-) Mi http://60.251.53.122:8080/OnCellCentral/ | ······································ | 0 + 0 | 3 🚺 OnCell Central Manager 🚿 | | a la constance | |
|---|---|--|----------------------|------------------------------|---|----------------|--|
| Varning Using the default OCM login credentials is not secure. Please reset the password. OK Modify User | | | | | | | |
| Warning Using the default OCM login credentials is not secure. Please reset the password. OK Modify User | | | | | | | |
| Varning Using the default OCM login credentials is not secure. Please reset the password. OK Modify User | | | | | | | |
| Varning Using the default OCM login credentials is not secure. Please reset the password. OK Modify User Account: * admin Password: * Confirm password: * | | | | | | | |
| Warning Using the default OCM login credentials is not secure. Please reset the password. OK Modify User | | | OnCell Central Manag | ۶r | | | |
| Varning Using the default OCM login credentials is not secure. Please reset the password. OK | | | Welcome to On | Cell Central Manager | | | |
| Warning Using the default OCM login credentials is not secure. Please reset the password. OK | | | Password: | | | | |
| Warning Using the default OCM login credentials is not secure. Please reset the password. OK Modify User | | | ĺ | Login | | | |
| Warning Using the default OCM login credentials is not secure. Please reset the password. Modify User Account: * admin User name: admin Password: * Confirm password: * | | | | | | | |
| Warning Using the default OCM login credentials is not secure. Please reset the password. Modify User Account: * admin User name: admin Password: * Confirm password: * | | | | | | | |
| Warning Using the default OCM login credentials is not secure. Please reset the password. OK Modify User Account: * admin User name: admin Password: * Confirm password: * OK | | | | | | | |
| Using the default OCM login credentials is not secure. Please reset the password. OK Modify User Account: * admin User name: admin Password: * Confirm password: * OK | Warning | V2.3 | | | | | |
| Using the default OCM login credentials is not secure. Please reset the password. OK Modify User Account: * admin User name: admin Password: * Confirm password: * | | | | | | | |
| Please reset the password. OK Modify User Account: * admin User name: admin Password: * Confirm password: * OK | Using the default OC | M login crede | ntials is not | | | | |
| Please reset the password. OK Modify User Account: * admin User name: admin Password: * Confirm password: * OK | secure. | | | | | | |
| Modify User Account: * admin User name: admin Password: * Confirm password: * | Please reset the pass | sword. | | | | | |
| Modify User Account: * admin User name: admin Password: * Confirm password: * | | ок | | | | | |
| Modify User Account: * admin User name: admin Password: * Confirm password: * | | | | | | | |
| Modify User Account: * admin User name: admin Password: * Confirm password: * | | | | | | | |
| Account: * admin User name: admin Password: * Confirm password: * | Modify User | | | | | | |
| Account: * admin User name: admin Password: * Confirm password: * | | | | | | | |
| User name: admin Password: * Confirm password: * OK | Account: * | admin | | | | | |
| Password: * Confirm password: * OK | User name: | admin | | | | | |
| Confirm password: * | Password: * | | | | | 1 | |
| Confirm password: * | | | | | | | |
| ΟΚ | Confirm password: * | | | | | | |
| ΟΚ | | | | | | | |
| ок | | | | | | | |
| OK | | | | | _ | | |
| | | | ок | | | | |

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.

| 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 | | |
|---------------------------|----------------------------------|--------------------------------|
| | Port Information | |
| 🗋 Overview | Control Ports | |
| Port Information | Control Forts | |
| Change Password | Management information port | 63201 |
| Device Group Management | Management configuration port | 63202 |
| Account Management | Operation mode data port | 63211 |
| 🗋 IP Blocklist Management | Operation mode command port | 63251 |
| | Telnet port | 63203 |
| | Service forwarding port | 63204 |
| | User Ports | |
| | Data port | 50000 to 51023 |
| | Command port | 51024 to 52047 |
| | Service forwarding port | 52048 to 60239 |
| | Telnet Port | 60240 to 61263 |
| | Server Properties | |
| | Connection idle 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.

| evice Group Management | | |
|-----------------------------|----------------------------|-------------------------------------|
| Groups | | Expand All Add Remove Rename Reload |
| 🔻 🗁 Groups | | |
| 🗁 East | | |
| 🔻 🔚 North | | |
| 🗁 N-1 | | |
| <u>⊫</u> N-2 | | |
| | = | Crouping Domovo Poload |
| View All Devices | | Grouping Renove Reload |
| Filter: Device Name 🔹 | | 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 | 30:30:30:30:30:35 | 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 | |
| | | |

Basic Functions

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

| Groups | 🔄 Expand All | Add Remove | Rename | Reload |
|------------|--------------|------------|--------|--------|
| 🔻 🗁 Groups | | | | • |
| 🖻 East | | | | = |
| 🔻 🗁 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 Current Groups 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 To | otal records: 5 20 V Page Number: 1 | 7 | |

| 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.

| Devices View All Devices | | Grouping Remove Reload |
|--------------------------|-------------------|------------------------|
| Filter: Device Name | | 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 | 30:30:30:30:33 | 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 | • Device | Group Management | | | | | | | | | | |
|---|---|--------------------------------|--|--|---|-------|----------|----------------|------------------|-----------------------|--|--------|-----------------------------|
| Overview Control Port Change Pas Device Groc Account Ma | Device Group V 20 V 2 V 2 V 2 V 2 V 2 V 2 V 2 V 2 V 2 V 2 | Group Hanagement | Device MAC 00:30130:030:30131 20:30130:030:030:312 20:30130:300:300:32 20:30130:300:300:33 20:30130:30130:30135 | LAN IP A4 192,168,1 192,168,1 192,168,1 192,168,1 192,168,1 | Filter ddress 127.254 127.254 127.254 127.254 127.254 | Reset | d AB Add | Remove ping | Rename Remove | Reload Reload r Reset | I Add Remote Grouping IP Address 168.127.254 168.127.254 168.127.254 168.127.254 168.127.254 | Remove | Reload Reload er Rese |
| | | New Device Device MAC Address: | 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.

| ew Serv | er 🔻 | De | vice Group Management | | | | | | | | | | |
|---|-------------------------|--|--|---|--|-------|----------------------------|-----------|---------------------|--|--------|--------|--------|
| Overview Control Por Change Pas Device Grou Account Mai | Group Troup Troup | Group Management s roups North | | | | Expa | nd All Add Remo | ve Rename | Reload | II Add | Remove | Rename | Reload |
| | s | elect Device / New Devi | ice | | | | | | | _ | | | |
| | | • Select Device | | | | | | | | Groupi | ing Re | move | Reload |
| | | Filter: Device Name | a . | | Filter | Reset | | | | | | Filter | Reset |
| | Devis Filter Devi | Device Name OnCell_5104_0001 OnCell_5104_0002 OnCell_5104_0002 OnCell_5104_0003 OnCell_5104_0004 OnCell_5104_0005 New Device Device MAC Address: | Device MAC 30:30(3)(3)(3)(3)(3)(3) 30:30(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(3)(| LAN P A 192.168. 192.168. 192.168. 192.168. 192.168. | ddress 127.254 127.254 127.254 127.254 127.254 127.254 | | Crouping LAN IP Address | Remove | Reload ter Reset | IP Address 168.127.254 168.127.254 168.127.254 168.127.254 | | | |

OnCell_5104_0005

OnCell_5104_0002

OnCell_5104_0003

1

192.168.127.254

192.168.127.254

192.168.127.254

Removing a Device from a Group

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

| Device Group Management | | | |
|-----------------------------------|---------------------|---------------------|------------------|
| Groups | | Expand All Add Remo | ve Rename Reload |
| ▼ | | | |
| Devices View All Devices | | Grouping | Remove Reload |
| Filter: Device Name | | | 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 | 30:30:30:30:33 | 192.168.127.254 | |
| 1 Total Pages: 1 Total records: 5 | 20 V Page Number: 1 | | |
| Devices View Current Groups | = | Grouping | Remove Reload |
| Filter: Device Name | | | Filter Reset |
| Device Name | Device MAC | LAN IP Address | |
| OnCel | 30:30:30:30:30:31 | 192.168.127.254 | |
| OnCeli_2104_0004 | 30:30:30:30:30:34 | 192.168.127.254 | |
| | | | |

30:30:30:30:30:35

30:30:30:30:30:32

30:30:30:30:30:33

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

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 | 30:30:30:30:30:31 | 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 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Device Filter

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

| Devices View Curr | rent Groups 🔻 | | Grouping Remove | e Reload |
|--------------------|--------------------------------|---------------------|-----------------|--------------|
| Filter: Device Nar | me 🔻 | | | Filter Reset |
| Device Nam | ne | Device MAC | LAN IP Address | |
| OnCel | ress | 30:30:30:30:31 | 192.168.127.254 | |
| OnCeli_2104_000 | 14 | 30:30:30:30:30:34 | 192.168.127.254 | |
| OnCell_5104_000 |)5 | 30:30:30:30:30:35 | 192.168.127.254 | |
| OnCell_5104_000 | 02 | 30:30:30:30:30:32 | 192.168.127.254 | |
| OnCell_5104_000 |)3 | 30:30:30:30:30:33 | 192.168.127.254 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 1 To | otal Pages: 1 Total records: 5 | 20 ▼ Page Number: 1 | | |

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.

| Jser Information | | | Add Edit | Delete Reload | Accessible Groups |
|------------------|-----------|------------|--------------|---------------|-------------------|
| Login Account | User Name | Role | Parent | Status | Edit Karand Al |
| admin | admin | Admin | system | enable | T 🖻 Groups |
| user1 | user1 | Super User | admin(admin) | enable | East |
| | | | | | 🔻 🗁 North |
| | | | | | 🗁 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 Delet | te Re | | |
| Account: * | | | | |
| User name: | | | | |
| Password: * | | | | |
| Confirm password: * | | | | |
| Role: * Su | iper User | | | |
| Parent: * ac | lmin(admin)-Admin | | | |
| Enable account: 🗹 | Enable | | | |
| Groups | Selected Groups | | | |
| V 🗁 Groups | 🔓 Selected Groups | | | |
| 🗁 East | -> | | | |
| North | <- | | | |
| Other | | | | |
| - South | | | | |
| - West | | | | |
| | | | | |

| 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 | ssword 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**.

| Block Action | | | |
|---------------|--------------------------------|---|--------------------------------------|
| IP blocklist: | ✓ Enable | | |
| | Accept IP O 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 | |
| | | | |
| | | | |
| | the Undate button to ur | data the black action or the Delet | • button to doloto an ovicting block |

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.

| | xa.com | | | | | | | | | | |
|--------------------------------|--|---|---|---|--|--|---|--|--|---|-----------|
| | | | | | | | | >>> Total Solutio | on for Industrial | Wireless I | Networkir |
| | Devices | User Ports | Service Forwarding | Firmware Upg | rade | Remote SMS | Control | | | | |
| roup Croups | Statistic i | nformation | | | | | | | | | |
| East | | | | | | | | | | | |
| Vorth | | | | | | | | | | | |
| ► N-1 | | | | | | | | | | | |
| ≥ N-2 | | OffLine: 50 | | No Si | gnal: 50 | | ۱. | Unkno | own: 50 | | |
| 🗁 Other | | | - | | | | | | | | |
| 😁 South | | | OnLine: 5 | | | Excellent | 5 | | | LTE: 5 | |
| | | | | | | | | | | | |
| 😁 west | | | | | | | | | | | |
| ⊘ West | View All De | evices 🗸 | Edit Function | | | | Filter: D | evice MAC 🛛 🔻 | | Filter | Reset |
| west | View All De | evices + | Edit Function | vice S WAN IP | LAN IP | FW Version | Filter: D Rssi | evice MAC 🔹 | Last Connect | Filter | Reset |
| ∼ West | View All Do Vervice Device 0 30:30 | evices e M/ Device Na 30: OnCell_51 | Edit Function me De 04_0046 On | vice S WAN IP Cell 5(192.168. | LAN IP 192.168. | FW Version 1.5.7 | Filter: D Rssi 22 | evice MAC V Cellular Mode LTE | Last Connect 2015/05/19 | Filter ted | Reset |
| ≥ ;West | View All Do • Device 1 30:30: 1 30:30: | evices vices a M/ Device Na 30: OnCell_51 30:: OnCell_51 | Edit Function mme De 04_0046 On 04_0048 On | vice 5 WAN IP Cell 5(192.168. Cell 5(192.168. | LAN IP 192.168. 192.168. | FW Version 1.5.7 1.5.7 | Filter: D Rssi 22 22 | evice MAC V Cellular Mode LTE LTE | Last Connect 2015/05/19 2015/05/19 | Filter ted 17:03:20 17:03:20 | Reset |
| ⊘ ;West | View All Do • Device 1 30:30: 1 30:30: 1 30:30: 1 30:30: | evices v a M/ Device Na 30: OnCell_51 30: OnCell_51 30: OnCell_51 30: OnCell_51 | Edit Function mme De 04_0046 On 04_0048 On 04_0047 On | vice 5 WAN IP Cell 5(192.168. Cell 5(192.168. Cell 5(192.168. | LAN IP 192.168. 192.168. 192.168. | FW Version 1.5.7 1.5.7 1.5.7 | Filter: D Rssi 22 22 22 22 | evice MAC Cellular Mode LTE LTE LTE LTE | Last Connect 2015/05/19 2015/05/19 2015/05/19 | Filter ted 17:03:20 17:03:20 17:03:20 | Reset |
| ≥ ; West | View All Device • Device 1 30:30: 2 30:30: 2 30:30: 2 30:30: | evices a M/ Device Na 30:: OnCell_51 30:: OnCell_51 30:: OnCell_51 30:: OnCell_51 | Edit Function mme De 04_0046 On 04_0047 On 04_0047 On | vice S WAN IP Cell 5(192.168, Cell 5(192.168, Cell 5(192.168, Cell 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 1.5.7 | Filter: D Rssi 22 22 22 22 22 | evice MAC V Cellular Mode LTE LTE LTE LTE LTE | Last Connect 2015/05/19 2015/05/19 2015/05/19 2015/05/19 | Filter ted 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 | Reset |
| ₩est | View All Device Device 1 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: | evices ▼ ■ M/ Device Na 30: OnCell_51 30: OnCell_51 30: OnCell_51 30: OnCell_51 30: OnCell_51 30: OnCell_51 | Edit Function mme De 04_0046 On 04_0048 On 04_0047 On 04_0049 On | vice 5 WAN IP Cell 5(192.168. Cell 5(192.168. Cell 5(192.168. Cell 5(192.168. Cell 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 | Filter: D Rssi 22 22 22 22 22 22 22 | evice MAC Cellular Mode LTE LTE LTE LTE LTE LTE LTE LTE LTE | Last Connect 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 | Filter ted 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 | Reset |
| ≥ West | View All Do • Devic 30:30: | avices • a M/ Device Na 30: 0nCell_51 30: 0nCell_51 30: 0nCell_51 30: 0nCell_51 30: 0nCell_51 30: 0nCell_51 | Edit Function mme De 04_0048 On 04_0047 On 04_0049 On 04_0050 On 04_0077 On | vice S WAN IP Cell 5(192.168, Cell 5(192.168, Cell 5(192.168, Cell 5(192.168, Cell 5(192.168, Cell 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 | Filter: D Rssi 22 22 22 22 22 22 22 22 22 0 | evice MAC Cellular Mode LTE LTE LTE LTE LTE N/A | Last Connect 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 | Filter ted 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 16:56:21 | Reset |
| ∼ West | View All D ▼ Devici 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: 30:30: | avices • a M/ Device Na 30: 30: 0nCell_51 | Edit Function mme Dec 04_0048 On 04_0049 On 04_0049 On 04_0050 On 04_0077 On 04_0077 On | vice S WAN IP Cell 5(192.168. Cell 5(192.168. Cell 5(192.168. Cell 5(192.168. Cell 5(192.168. Cell 5(192.168. Cell 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 | Filter: D Rssi 22 22 22 22 22 22 22 0 0 | evice MAC v Cellular Mode LTE LTE LTE LTE LTE LTE N/A N/A | Last Connect 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 | Filter ted 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 16:56:21 16:56:21 | Reset |
| West vices | View All D View All Devic 30:30: 30 | avices • M/ Device Na 30: 30: 0nCell_51 | Edit Function mme Dee 04_0046 On 04_0047 On 04_0047 On 04_0047 On 04_0050 On 04_0050 On 04_0077 On 04_0075 On | vice S WAN IP Cell 5(192.168. Cell 5(192.168. | LAN IP 192.168. 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 1.5.7 | Filter: D Rssi 22 22 22 22 22 22 0 0 0 0 | evice MAC Cellular Mode LTE LTE LTE LTE LTE N/A N/A N/A | Last Connect 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 | Filter ted 17:03:20 17:03:20 17:03:20 17:03:20 17:03:20 16:56:21 16:56:21 16:56:21 | Reset |
| vices efresh ✓ Auto Refresh | View All Dr • Devic 3 0:30: 3 0:30: 3 0:30: 3 0:30: 3 0:30: 3 0:30: 3 0:30: 1 3 | Avices • BM Device Na 30: OnCell_51 30: OnCell_51 | Edit Function mme De 04_0048 On 04_0049 On 04_0050 On 04_0078 On 04_0075 On 04_0075 On | vice S WAN IP Cell 5(192.168, Cell 5(192.168, | LAN IP 192.168. 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 1.5.7 1.5.7 1.5.7 1.5.7 | Filter: D Rssi 22 22 22 22 22 22 22 0 0 0 0 0 1 | evice MAC v Cellular Mode LTE LTE LTE LTE LTE N/A N/A N/A V/A V/A V/A V/A | Last Connect 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 2015/05/19 | Filter ted 17:03:20 17:03:20 17:03:20 17:03:20 16:56:21 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 V 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).

| Devices | User P | orts | Service Forv | varding | Firmwa | re Upgrade | Remote SMS Control | | | | |
|-------------|---------|--------|------------------|----------|------------|------------|--------------------|-------------|----|--------------|-------|
| Filter base | ed on: | De | evice Name | • | | | | | | Filter | Reset |
| Port Type | | Devic | e Name | Device I | AC | Status | OP Mode | Serial Port | Et | thernet Port | |
| Telnet | | Green | _WDR3124A | 00:90:e | 3:00:00:29 | Close | N/A | N/A | 60 | 0240 | |
| Telnet | | Oncel | G3470-LTE_000 | 00:90:e | 3:00:01:23 | Close | N/A | N/A | 60 | 0241 | |
| Telnet | | WDR- | 3124A_0000 | 00:90:e | 3:00:00:73 | Close | N/A | N/A | 60 | 0242 | |
| Telnet | | Oncel | G3470-LTE_000 | 00:90:e | 3:00:25:c3 | Close | N/A | N/A | 60 | 0243 | |
| Command | | G311 | 1_8853-VGM | 00:90:e | 3:03:11:12 | Close | TCP Server | Port 1 | 51 | 1024 | |
| Data | | G311 | 1_8853-VGM | 00:90:e | 3:03:11:12 | Close | TCP Server | Port 1 | 50 | 0000 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | 10 | | |
| 1 | Total P | ages: | 1 Total records: | 6 Page | Size: 20 | ▼ Page Nu | mber: 1 View All | | | | |
| Refresh ✓ | Auto Re | efresh | (20 seconds) | | | | | | | | |

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 U | pgrade | Remote SMS | Control | | | | | |
|---------|----------------|--------------------|------------|--------|-------------|-----------|---------|-----------|-------------|--------|------|
| | | | | | | | Filter: | Device M/ | AC 🗸 🗸 | Filter | Rese |
| Status | Device MAC | Service Port | Protocol | LAN | Device Name | LAN Devic | e IP | Port | Description | | |
| Closed | 00:90:E8:00:01 | 52048 | TCP | test6 | 566 | 192.168.1 | 27.105 | 6666 | test6666 | | |
| Closed | 00:90:E8:03:11 | 1:12 52049 | TCP | Modic | on PLC | 10.139.64 | .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 | nceled Upgrades | Device Model | Firmware Support | Upgrade Status | Upgrade Percentage |
| Cancel | selection | | WDR-3124 | WDR-3124 series | Success | 100% |
| Oncell G347 | 0-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_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 | | | |
| Twilio a Twilio : | ccount SID: | Remember this account 💽 Do not have a Twilio accou | Z Int? | OK Register |

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

| ΜΟΧΛ [°] ₩₩₩.Π | noxa.com | | » | Complete Solutions for Industrial Wi | reless Net | |
|-------------------------|---------------------------|----------------------|----------------------|--------------------------------------|------------|--|
| View : Device • | Devices User Ports | Service Forwarding | Firmware Upgrade Rei | note SMS Control | | |
| Groups | Function V | | | | | |
| Groups | Select Twilio call ID: +1 | 4796898335 | | | 2 | |
| Test1 | Device name: | | | Get nun | nber | |
| | Support function: | OCM IP change | | | | |
| | Message: @[| PASSWORD]@ip.change@ | Su | bmit | | |
| | Device Name | LAN IP | Last Connected | Device call ID | | |
| | Liepajas apgaismojums | 192.168.1.1 | 2017/03/27 16:56:43 | 1 | | |
| | OnCell_G3111_NIMERA | 193.168.40.114 | 2017/03/27 16:56:54 | | | |
| | OnCell_G3251_4988 | 192.168.127.10 | 2017/03/27 16:56:43 | | | |
| | MOXA_LAB_OnCell_G31 | 11 192.168.127.13 | 2017/03/27 16:56:4 | 5 | | |
| | OnCell_G3151_8845 | 192.168.127.11 | 2017/03/27 16:56:4 | 5 | | |
| | OnCell_G3211_1682 | 192.168.127.12 | 2017/03/27 16:56:44 | | | |
| | OnCell_5104_0006 | 192.168.127.254 | 2017/03/27 16:56:39 |) | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Devices | | | | | | |
| | | (22 1) | | | | |

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

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.

| +14796898335 | | - | | | |
|---|---|---|--|---|--|
| OnCell G3470A-L | _TE_0000; | | | | Get number |
| Restart | | | | | |
| @[PASSWORD]@ | restart | | | | Submit |
| LAN IP | | Last Connect | ed | Device call I | D |
| 000 00010010010 | | 2010/11/08 4 | 7:41:40 | +886972613 | 424 |
| 000 | | | 7:41:40 | | |
| 000 HTTP/1.1 40 Permission t enabled for 1 number: +81 | 0 BAD REQUEST o send an SMS has the region indicate 36972613424. | | 7:41:40 | | |
| | Concell G3470A-L Restart (@[PASSWORD]@ LAN IP COOD HTTP/1.1 40 Permission t enabled for number: +83 | OnCell G3470A-LTE_0000; Restart @[PASSWORD]@restart LAN IP D000 HESSage 1921165.1271115 HTTP/1.1 400 BAD REQUEST Permission to send an SMS has enabled for the region indicate: number: +886972613424. OK | • 14/90090333 • OnCell G3470A-LTE_0000; Restart • @[PASSWORD]@restart LAN IP Last Connect 0000 Message 0000 HTTP/1.1 400 BAD REQUEST Permission to send an SMS has not been enabled for the region indicated by the 'To' number: +886972613424. OK | • 147900903333 • OnCell G3470A-LTE_0000; Restart • @[PASSWORD]@restart LAN IP Last Connected 0000 • Message • 192168.127.118 2016/11/06 0000 • HTTP/1.1 400 BAD REQUEST • • • 0000 • • • 0000 • • • 0000 • • • <t< td=""><td>• 14790039333 • OnCell G3470A-LTE_0000; Restart • @[PASSWORD]@restart • LAN IP Last Connected Device call II 0000 • • • • Message • • • 0000 • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •</td></t<> | • 14790039333 • OnCell G3470A-LTE_0000; Restart • @[PASSWORD]@restart • LAN IP Last Connected Device call II 0000 • • • • Message • • • 0000 • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • |

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.

| M | | m | | | | | | |
|----------|-------------------------------|----------------|---------------|-----------------|---------------------|--------------|--|--|
| | | | | | | | | |
| View | Device • | | Overview | User Ports | Maintenance | RSSI Monitor | | |
| Devices | | | View Fi | nction V | | | | |
| 🔻 🗁 🗋 De | vices | - | | | | | | |
| | 0R-3124A_0000 (Offline) | | | | | | | |
| | DR-3124A_0000 (Offline) | | Device Name | | OnCell_G3151- | HSPA_997 | | |
| 🗋 Gre | een_WDR3124A (Offline) | | Model Name | | OnCell G3151- | HSPA | | |
| | DR-3124A_0000 (Offline) | - | Serial No. | | 997 | | | |
| 🗋 On | cell G3470-LTE_0000 (Offline) | | Eirmware Ver | sion | 1.1 | | | |
| 🗋 On | cell G3470-LTE_0000 (Offline) | | Filliware ver | SION | | | | |
| 🗋 On | cell G3470-LTE_0000 (Offline) | WAN IP Address | | | N/A | | | |
| 🗋 G3 | 111_8853-VGM (Offline) | | LAN IP Addre | SS | 192.168.127.51 | | | |
| 🗋 On | Cell_G3151-HSPA_997 (Online) | | LAN MAC Add | lress | 00:90:E8:42:F | 0:C2 | | |
| 🗋 On | Cell_5104_0001 (Online) | ll d | Last Connect | ted | 2015/05/19 18:04:26 | | | |
| 🗋 On | Cell_5104_0002 (Online) | 11 | Peci | | 0 | | | |
| 🗋 On | Cell_5104_0003 (Online) | | (55) | | | | | |
| 🗋 On | Cell_5104_0004 (Online) | | Cellular Mode | 2 | N/A | | | |
| 🗋 On | Cell_5104_0005 (Online) | | | | | | | |
| 🗋 On | Cell_5104_0006 (Online) | | | | | | | |
| 🗋 On | Cell_5104_0007 (Online) | | | | | | | |
| 🗋 On | Cell_5104_0008 (Online) | | | | | | | |
| 🗋 On | Cell_5104_0009 (Online) | | | | | | | |
| 🗋 On | Cell_5104_0010 (Online) | | | | | | | |
| 🗋 On | Cell_5104_0011 (Online) | | | | | | | |
| D On | Cell 5104 0012 (Online) | • | | | | | | |
| Groups | | | | | | | | |
| Refresh | 🗹 Auto Refresh | | | | | | | |

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 • | 1 | Overview | User Ports | Maintenand | e RSSI | Monitor | | | | | | |
|---------------------------------|-----|--------------|------------|------------|----------|------------------|-------|-----------------|----------|--------------|---------|------------------|
| Devices | | View Fu | nction | | | | | | | | | |
| AllDevices | - L | | | | | | | | | | | |
| WDR-3124A_0000 (Offline) | | User Ports | | | | | | | | | | |
| WDR-3124A_0000 (Offline) | | Telnet | | | | Change Telnet Po | rt En | Enable Teinet | | Reset Telnet | | |
| Green_WDR3124A (Offline) | | Death 60 | 244 | Chalmer | Desister | | L | | | | | |
| WDR-3124A_0000 (Offline) | - | POR: 00 | 1244 | Status: | Register | eu | | | | | _ | |
| Oncell G3470-LTE_0000 (Offline) | | Operation Me | ode | | | | | | Cha | nge User Po | rt | Reset OP Mode |
| Oncell G3470-LTE_0000 (Offline) | | Status | | Port Type | | OP Mod | e | Ser | ial Port | | Etherne | et Port |
| Oncell G3470-LTE_0000 (Offline) | | Registered | | Data | | RealCOM | 4 | Port | 1 | | 50001 | |
| G3111_8853-VGM (Offline) | | Registered | | Command | 1 | RealCOM | 1 | Port | 1 | | 51025 | |
| OnCell_G3151-HSPA_997 (Online) | | | | | | | | | | | | |
| OnCell_5104_0001 (Online) | | | | | | | | | | | | |
| OnCell_5104_0002 (Online) | | | | | | | | | | | | |
| OnCell_5104_0003 (Online) | | | | | | | | | | | | |
| OnCell_5104_0004 (Online) | | Comuleo Comu | uanding | | | | | | | | | |
| OnCell_5104_0005 (Online) | | Service Forw | varuing | | | | | | De | elete Record | | Reset Forwarding |
| OnCell_5104_0006 (Online) | | Status | Service | Port | Protocol | LAN Device Na | ame | LAN IP | Port | Descript | ion | |
| OnCell_5104_0007 (Online) | | Registered | 52051 | | TCP | 5678Device Na | me | 192.168.127.105 | 5678 | | | |
| OnCell_5104_0008 (Online) | | Registered | 52050 | | TCP | 5677Device Na | me | 192.168.127.211 | 5677 | | | |
| OnCell_5104_0009 (Online) | | | | | | | | | | | | |
| OnCell_5104_0010 (Online) | | | | | | | | | | | | |
| OnCell_5104_0011 (Online) | | | | | | | | | | | | |
| Concell 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: S | elect an actio | n | • |

Function

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

| /iew Device 🔻 | Overvie | w User Por | ts Mainten | ance | RSSI Monitor |
|------------------------------|---------|---------------|------------|------|--------------|
| All Devices | View | Function V | | | |
| 🖊 🗁 AllDevices 📃 📥 | | T direction T | | | |
| WDR-3124A_0000 (Offline) | | Enable Telr | iet | | |
| WDR-3124A_0000 (Offline) | Mainten | Reset Telne | et | | |
| Green_WDR3124A (Offline) | 1 | Change Tel | net Port | | |
| WDR-3124A_0000 (Offline) | Action: | Change Use | er Port | | • |
| Oncell G3470-LTE_0000 (Off | | Export Sign | al Record | | |
| 🗋 Oncell G3470-LTE_0000 (Off | | Reset Op M | lode | | |
| Oncell G3470-LTE_0000 (Off | | Reset Forw | arding | | |
| G3111_8853-VGM (Offline) | | | | | |
| | | | | | |
| 🗋 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 | | | | | |
| ▼ 🗁 AllDevices | | | | | | |
| WDR-3124A_0000 (Offline) | | | | | | |
| WDR-3124A_0000 (Offline) | Maintenan | ce | | | | |
| 🗋 Green_WDR3124A (Offline) 📱 | | | | | | |
| WDR-3124A_0000 (Offline) | Action: | Select an action | | | | |
| Oncell G3470-LTE_0000 (Off | | Select all action | | | | |
| Oncell G3470-LTE_0000 (Offi | | Select an action | | | | |
| Oncell G3470-LTE_0000 (Offl | | Configuration E | xport | | | |
| G3111_8853-VGM (Offline) | | Configuration In | nport | | | |
| OnCell_5104_0001 (Online) | | irmwara Unara | do | | | |
| OnCell_5104_0002 (Online) | | innware opgra | ue | | | |
| OnCell_5104_0003 (Online) | F | 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 F | unction v | | |
| Maintenanco | | | |
| Action: C | onfiguration | Export | × |
| Download | | Download | |
| Download | | Please wait | t |
| | | s | ave |
| | | | |

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.

| View Device - | Overview | User Ports | Maintenance | RSSI Monitor | |
|------------------------------|--------------|---------------|-------------|--------------|--------|
| All Devices | View F | unction W | 1 | | |
| ▼ 🗁 AllDevices | view F | | | | |
| WDR-3124A_0000 (Offline) | | | | | |
| WDR-3124A_0000 (Offline) | Maintenance | e | | | |
| 🗋 Green_WDR3124A (Offline) 📱 | | | | | |
| WDR-3124A_0000 (Offline) | Action: | | - | | |
| Oncell G3470-LTE_0000 (Off | C | onfiguration | Imp 🔻 | | |
| Oncell G3470-LTE_0000 (Off | Calast Carf | evention file | | | |
| Oncell G3470-LTE_0000 (Off | Select Confi | guration File | | | Browse |
| G3111_8853-VGM (Offline) | | | | | |
| OnCell_5104_0001 (Online) | Submit | | | | |
| OnCell_5104_0002 (Online) | Submit | | | | |

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 Fu | View Function V | | | | | | | |
| | | | | | | | | |
| Maintenance | | | | | | | | |
| Action: | | - 4 - | | | | | | |
| Action. FI | rmware upg | rade | · | | | | | |
| Target Devic | e On | Cell_G3111_BV-2 | 23 | | | | | |
| Firmware ve | rsion 1.6 | i . | | | | | | |
| Selected Firr | mware File | | | | Browse | | | |
| Upgrade |] | | | | | | | |

Restarting an OnCell Device

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

| Overview | User Ports | Maintenance | RSSI Monitor |
|----------|-------------------|-------------|--------------|
| View | Function V | | |
| Maintena | ice | | |
| Action: | Restart OnCell | l Device | • |
| Restart | | | |

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.

| MOX [®] www.moxa.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 | | | | |