Firmware for OnCell 3120-LTE-1 Series Release Notes

Version: v2.4.0	Build: 25070410
Release Date: Jul 31, 2025	

Applicable Products

OnCell 3120-LTE-1-AU, OnCell 3120-LTE-1-AU-T, OnCell 3120-LTE-1-EU, OnCell 3120-LTE-1-EU-T, OnCell 3120-LTE-1-US, OnCell 3120-LTE-1-US-T

Supported Operating Systems

N/A

New Features

• Added support for the Local Device and Gateway-to-gateway features in MRC Quick Link Ultra.
• Added support for displaying the cellular carrier in MRC Quick Link Ultra.
• Added support for using a USB drive to read the MRC gateway key.
• Added support for MRC-related logs in the system log.

Enhancements

• Reduced the data usage of the MRC service when monitoring the status of devices.

Bugs Fixed

• The system log incorrectly records a "Module firmware upgrade success." event log even though no firmware upgrade was performed.
• The NAT Loopback function does not work properly, affecting PAT behavior.
• CVE-2020-11022, CVE-2020-11023, CVE-2019-11358, CVE-2020-7656 vulnerability issues. For more details, search the Security Advisories section on the Moxa website for the following Security Advisory ID: MPSA-244707.

Changes

• Updated the behavior of the signal strength display.
• The web console no longer supports the Internet Explorer (IE) browser.
• OpenVPN and the MRC service can no longer be enabled simultaneously.
• Removed OnCell Central Manager (OCM) and Moxa Service from the console settings.
• Renamed the Remote SMS Control function to SMS Remote Control.
• Updated the content of the "cell.report" command for SMS Remote Control.
• When logging in to the OnCell 3120 Series for the first time, users are now required to update the default password. This step is mandatory in order to access the device and configure settings.

Notes

• The Certificate option under User Authentication in the OpenVPN client settings is not functioning properly. To avoid issues, set User Authentication to Password until the issue is resolved.
• Using an MRC Gateway key with a different gateway model may cause connection issues with the MRC service.
• This firmware release is only applicable to EU and AU models with HW Rev. 2.0.0 and US models with HW Rev. 1.0.0.

Version: v2.3.0	Build: 24061918
Release Date: Jun 28, 2024	

Applicable Products

OnCell 3120-LTE-1-AU, OnCell 3120-LTE-1-AU-T, OnCell 3120-LTE-1-EU, OnCell 3120-LTE-1-EU-T, OnCell 3120-LTE-1-US, OnCell 3120-LTE-1-US-T

Supported Operating Systems

N/A

New Features

• Users can now send SMS messages via the text-based menu mode.

Enhancements

N/A

Bugs Fixed

• Under certain conditions the system incorrectly generates Linux logs causing the storage to fill up and making users unable to log in to the web interface.

Changes

N/A

Notes

• This firmware release is only applicable to EU and AU models with HW Rev. 2.0.0 and US models with HW Rev. 1.0.0.
• When the MRC function is enabled, rebooting the device or modifying the configuration while in the Connected state will cause the gateway to be stuck in the Connected state on the MRC Quick Link website. To fix this, disable and re-enable the gateway on the MRC Quick Link website to show the correct connection status.

Version: v2.2	Build: N/A
Release Date: Jun 13, 2024	

Applicable Products

OnCell 3120-LTE-1-AU, OnCell 3120-LTE-1-AU-T, OnCell 3120-LTE-1-EU, OnCell 3120-LTE-1-EU-T, OnCell 3120-LTE-1-US, OnCell 3120-LTE-1-US-T

Supported Operating Systems

N/A

New Features

Added support for MRC Quick Link Ultra v4.0.0.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

• This firmware release is only applicable to EU and AU models with HW Rev. 2.0.0 and US models with HW Rev. 1.0.0.

• When the MRC function is enabled, rebooting the device or modifying the configuration while in the Connected state will cause the gateway to be stuck in the Connected state on the MRC Quick Link website. To fix this, disable and re-enable the gateway on the MRC Quick Link website to show the correct connection status.

Version: v2.1.0	Build: 22041810
Release Date: May 13, 2022	

Applicable Products

OnCell 3120-LTE-1-AU, OnCell 3120-LTE-1-AU-T, OnCell 3120-LTE-1-EU (HW Rev 2.0.0), OnCell 3120-LTE-1-EU-T (HW Rev 2.0.0), OnCell 3120-LTE-1-US (HW Rev. 1.0.0), OnCell 3120-LTE-1-US-T (HW Rev. 1.0.0)

Supported Operating Systems

N/A

New Features

N/A

Enhancements

N/A

Bugs Fixed

- (CVE-2021-4034) PwnKit: Local Privilege Escalation Vulnerability Discovered in polkit's pkexec
- (CVE-2022-0778) Impact of the OpenSSL Infinite Loop Vulnerability
- Nessus 42424 (1) CGI Generic SQL Injection (blind)
- Nessus 11084 (2) Web Server HTTP Header Memory Exhaustion DoS
- Nessus 51528 (1) CGI Generic Command Execution (time-based, intrusive)

Changes

N/A

Notes

- This firmware release is only applicable to EU & AU models with HW Rev. 2.0.0 and US models with HW Rev. 1.0.0.

Version: v2.0.0	Build: 22030919
Release Date: Mar 29, 2022	

Applicable Products

OnCell 3120-LTE-1-EU (HW Rev 2.0.0), OnCell 3120-LTE-1-EU-T (HW Rev 2.0.0)

Supported Operating Systems

N/A

New Features

• First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

• This firmware release is only applicable to EU models with HW Rev. 2.0.0.