



Firmware for OnCell 3120-LTE-1 Series (beta firmware for AU and EU models, HW Rev. 1.0.0) Release Notes

Version: v1.5.3	Build: 22033012
Release Date: Apr 08, 2022	

Applicable Products

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

Changes

N/A

Notes

- This firmware release is only applicable to AU and EU models with HW Rev. 1.0.0.
- This is a beta firmware release for bug fixing only.



Version: v1.5	Build: 21081107
Release Date: Aug 11, 2021	

Applicable Products

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

Supported Operating Systems

N/A

New Features

- Added support for Modem Mode which enables the device to be controlled with AT commands.
- Added the WAN Backup function to provide WAN failover between the cellular and Ethernet interfaces for serial-to-Internet applications.
- Added support for an IPv6 management IP address to access the device's web console.
- Added the cellular MTU (Maximum Transmission Unit) setting to the web console.
- Added support for SHA-256 and SHA-512 hash algorithm options for OpenVPN connections.

Enhancements

- Increased the maximum port forwarding rules from 32 to 128.
- The connection to OnCell Central Manager (software v2.4.1 or higher) now supports SSL.

Bugs Fixed

- Clicking Submit on the Syslog Event Types settings page generates an error message (Invalid input: "(syslog power)").
- The self-signed SSL certificate is absent after the device is reset to factory defaults.
- (CVE-2021-3156) Sudo before 1.9.5p2 contains a heap-based buffer overflow.

Changes

- Renamed "Operation Mode" to "Serial Operation Mode" and is now under "Serial settings".

Notes

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



Version: v1.3	Build: 20102810
Release Date: Dec 02, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- Added the NAT Loopback scenario for Port Forwarding. This will be the default scenario.

Enhancements

- Improved carrier registration compatibility.
- Improved cellular traffic control for better performance.

Bugs Fixed

- When viewing the "Serial Port Status" in the web console, the serial port will disconnect.
- The gateway is unable to obtain an IP address from certain cellular carriers.

Changes

- Changed the default setting of the "Cellular WAN Interface" to "Enable".

Notes

N/A



Version: v1.2	Build: 20051312
Release Date: Jul 06, 2020	

Applicable Products

N/A

Supported Operating Systems

N/A

New Features

- Added SMS modem mode to allow SMS messages to be sent through the serial port using SMS AT Commands. Below is the list of supported AT commands.

Basic settings and information commands:

ATE (local echo), ATE0 (no echo)

ATE1 (echo), AT+CSQ (request signal)

ATI (query modem identification, including model name, revision, and IMEI)

AT+CREG (network registration)

AT+COPS (PLMN selection)

SMS settings commands (Partial support for 3GPP TS 27.005 AT commands):

AT+CMGD (delete message)

AT+CMGF (message format)

AT+CMGF=0 (PDU mode)

AT+CMGF=1 (text mode)

AT+CMGL (list message, for example: AT+CMGL="")

AT+CMGR (read message)

AT+CMGs (send message)

AT+CSMP (for multiple language in the SMS)

AT+CSCS (for multiple language in SMS)

Configuration settings commands:

AT &F (set the current parameters as the default configuration)

Troubleshooting commands:

AT+CMEE

Enhancements

N/A

Bugs Fixed

- IPsec VPN does not work with X.509 certificate authentication.
- Incorrect exported configuration when configuring OpenVPN in TAP mode.

Changes

N/A

Notes

N/A



Version: v1.0	Build: Build_19112716
Release Date: Dec 30, 2019	

Applicable Products

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

Supported Operating Systems

N/A

New Features

First release.

Enhancements

N/A

Bugs Fixed

N/A

Changes

N/A

Notes

N/A