

Skywire Nano Global 4G LTE-M NL-SWN-LTE-NRF9160-C Product Change Notification

NimbeLink Corp.

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Table of Contents

Table of Contents	2
Introduction	3
Migration Overview	4
Contact Information	4
Document Version Information	5

1. Introduction

Over their lifetimes, Skywire® modems may experience several firmware and hardware updates provided by NimbeLink and cellular module manufacturers. These updates improve communication, fix bugs, and add features to the modem's firmware.

NimbeLink will stay current with the latest hardware and firmware releases. It is recommended that customers also test and apply these new versions as they become available.

The NL-SWN-LTE-NRF9160-B Skywire Nano modem, which has cellular module hardware nRF9160-SICA-R7, firmware version "mfw_nrf9160_1.1.2", and NimbeLink application firmware version "v1.0.1" is being replaced by the NL-SWN-LTE-NRF9160-C.

The NL-SWN-LTE-NRF9160-C uses cellular module hardware nRF9160-SICA-B1A-R7, firmware version "mfw_nrf9160_1.1.4", and NimbeLink application firmware version "v1.1.0".

This new version improves device functionality and adds new features, namely:

- Additional RAM for customer application code and widgets
- Improved AT command handling
- Improved LWM2M URCs on the AT interface
- Improved sending binary data using AT interface sockets
- Ability to fully disable the AT interface UART for additional idle power savings
- Improved cellular module firmware update availability
- Improved power performance
- Bug fixes, see firmware release notes

For more information on the changes, refer to the new firmware's release notes page:

https://developer.nimbelink.com/skywire_nano_public_doc/firmware_releases/v1-1-0/

Updated documentation for the NL-SWN-LTE-NRF9160-C can be found on the modem's product page:

<https://nimbelink.com/products/4g-lte-m-global-nano/>

Developer resources and SDK documentation can be found at the following link:

<https://developer.nimbelink.com>

2. Migration Overview

NL-SWN-LTE-NRF9160-B modems may be upgraded to the new firmware version by the end-user.

Current Skywire Nano customers interested in upgrading the firmware on their modems can refer to the instructions on the release notes page. For additional help, customers can email product.support@nimbelink.com with the subject line "NL-SWN-LTE-NRF9160-C Upgrade".

The NL-SWN-LTE-NRF9160-B devices are End-of-Life and customers should contact sales@nimbelink.com for long-term support. The part will still be available until inventory is depleted.

It is recommended that customers move to the NL-SWN-LTE-NRF9160-C to take advantage of the new hardware provided in the nRF9160-SICA-B1A-R7 module recently released from Nordic Semiconductor. While we expect the nRF9160-SICA-R7 hardware version to remain available from Nordic Semiconductor it will not be their long-term preferred hardware version of the module. This presents risk to availability and cost and Nimbelink recommends moving to the long-term module hardware version represented with the NL-SWN-LTE-NRF9160-C.

3. Contact Information

For further information please contact NimbeLink at:

sales@nimbelink.com

4. Document Version Information

Revision	Author	Description	Date
A	EJ	Preliminary document release.	05/19/21
B	MT	Updated hardware information.	06/01/21