

Product change note

Topic SARA-N310-00X product change notification 3
UBX-22023924 C1-Public

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Date 27-Sep-2022

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1 Affected products

Product name	Ordering code	Type number (old)	Firmware (old)	Type number (new)	Firmware (new)
SARA-N310	SARA-N310-00X	SARA-N310-00X-02	18.13, A01.03	SARA-N310-00X-03	18.13, A01.04

2 Type

- | | |
|--|--|
| <input type="checkbox"/> Product status change | <input checked="" type="checkbox"/> Documentation update |
| <input type="checkbox"/> Hardware/component change | <input type="checkbox"/> Certification information |
| <input checked="" type="checkbox"/> Firmware/software update | <input type="checkbox"/> Security advisory |
| <input type="checkbox"/> Label change | <input type="checkbox"/> Other |

3 Description

A new firmware release is available for the affected product and will be applied in production according to the schedule below. The changes made are as follows:

- [u-blox ID 891] Block-wise transfer now supports 16, 32, 64, 128, 256, 512 block sizes
- [u-blox ID 885] Support publishing large files over MQTT as multiple of 256-byte messages
- [u-blox ID 804] +CEREG now reports correct Cell ID
- [u-blox ID 868] CoAP Block Number and Block Size added to +UCOAPCD URC
- RESET_N low-level time updated in the data sheet from 0.2 s to 1 s to improve reliability

4 Schedule

Product type number (new)	Sample availability date	Estimated first shipment date ¹
SARA-N310-00X-03	CW39	CW39

5 Customer impact and recommended action

- It is possible to upgrade SARA-N310-00X-02 (18.13, A01.03) units to this new PCN firmware version.
- It is recommended to use the new FW version (18.13, A01.04) on new devices that are starting certification activities.

¹ The estimated first shipment date is the forecasted date when a customer may expect to receive the changed product with the new type number. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive the changed product on this date, u-blox will continue to ship the pre-changed product until the inventory has been depleted. This may result in the pre-changed product being shipped to customers after this forecasted date.

- Backward compatibility between new type number and its predecessor is ensured.
- The changes do not have any impact in the certification approvals achieved.

6 Firmware update

- SARA-N310-00X-02 (18.13, A01.03) units can be updated to this PCN firmware version by means of EasyFlash V12.10, FOAT, FOTA or uFOTA.
- The FOAT upgrade process uses the same files of the FOTA procedure.
- uFOTA process is automatically handled once a uFOTA campaign has been launched by u-blox.

6.1 Firmware update packages and md5 signature

Product / delivery	Filename	md5sum
EasyFlash	SARA-N310-00X-03_18.13_A01.04.dof	3ef30a1d0b54ba6e9cea4a292ad59350
FOTA A01.02 to A01.04 uFOTA ID: 1752	SARA-N310-00X-01_FW18.13_A01.02- SARA-N310-00X-03_FW18.13_A01.04.pack	9428c522ba866db8f17ffcc44daa821f
FOTA A01.03 to A01.04 uFOTA ID: 1753	SARA-N310-00X-02_FW18.13_A01.03- SARA-N310-00X-03_FW18.13_A01.04.pack	519e0d57227c77b430b299b692ff3578
FOTA A01.04 to test uFOTA ID: 1754	SARA-N310-00X-03_18.13_A01.04-SARA- N310-00X-03_18.13_A01.04_FOTA.pack	7806072e904fa87d093fcb6dd6336e14
FOTA test to A01.04 uFOTA ID: 1755	SARA-N310-00X-03_18.13_A01.04_FOTA- SARA-N310-00X-03_18.13_A01.04.pack	66d5530a272a9006452c7efe33861f6b

For the FW packages, contact u-blox technical support, www.u-blox.com/support.

7 Tools

- m-center v02.07.00 – Download from the u-blox.com website via this page: [m-center](#)
- EasyFlash V12.10– Download from the u-blox.com website via this link: [EasyFlash V12.10](#)

8 Related documentation

- [1] SARA-N2 / SARA-N3 series AT commands manual, [UBX-16014887](#)
- [2] SARA-N3 series data sheet, [UBX-18066692](#)
- [3] SARA-N2 / SARA-N3 series system integration manual [UBX-17005143](#)
- [4] SARA-N3 series application development guide, [UBX-19026709](#)
- [5] EVK-N3 user guide, [UBX-19004195](#)
- [6] SARA-N310-00X application version change, [UBX-21017614](#)
- [7] SARA-N310-00X Product change notification, [UBX-21039338](#)
- [8] SARA-N310-00X Product change notification 2, [UBX-22003602](#)

Appendix

A Known limitations

- [u-blox id 736] +UJAD AT command: the registration status may not get updated after a jamming is detected.
- [u-blox id 798] SMS: UTF-16 encoding is not supported.
- [u-blox id 795] SMS: special 7-bit characters are not properly decoded at reception.
- [u-blox id 791] +CPIN AT command: after providing PIN1, the module does not perform attach automatically. A manual attach must be triggered after providing PIN1.
- [u-blox id 733] The +CRSM AT command does not return correct values.
- [u-blox id 504] uFOTA: file download progress cannot be tracked. Notification of success or failure is issued at the end of FOTA package download process.
- [u-blox id 845] Enabling AT command echo may result in URC being merged with echo string.
- [u-blox id 854] After every module power-on the +CIPCA AT commands must be set
- [u-blox ID 817] Non-IP PDP context with PAP/CHAP authentication is not supported.
- [u-blox ID 878] MQTT-SN search gateway is not supported.