

## Information note

**Topic** SARA-N310-00X product version initial production  
UBX-20033555 C1-Public

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## 1 Affected products

Product name	Ordering code	Type number	Firmware	Remarks
SARA-N310	SARA-N310-00X	SARA-N310-00X-00	Modem: 18.13 Application: A01.00	

## 2 Type

- |  |  |
|--|--|
| <input checked="" 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

Status of the above listed products has changed from engineering samples (ES) to initial production (IP). For the details of the new features and improvements implemented in the IP version, see Appendix A.

## 4 Schedule

First production parts will be available in calendar week 42/43.

Product name	Ordering code	Available from
SARA-N310	SARA-N310-00X	CW42
EVK-N310	EVK-N310-0	CW43
ADP-N310	ADP-N310-0	CW43

## 5 Customer impact and recommended actions

- We recommend customers with engineering samples 2 (ES2) to update the engineering sample units to initial production firmware.
- Initial production firmware version is required for new devices entering certification labs.

## 6 Firmware update

- It is not possible to upgrade early samples, prototype, and engineering sample 1 (ES) units to the initial production firmware.
- Engineering sample 2 (ES2) can be updated to initial production firmware by means of EasyFlash v12.08, FOAT, FOTA or uFOTA.

## 6.1 Firmware update packages and md5 signature

Product / delivery	Filename	md5sum
<b>SARA-N310</b>		
FOTA ES2 to IP uFOTA ID: 925	SARA-N310-00X-00_FW18.10_A01.04_ES2__SARA-N310-00X-00_FW18.13_A01.00_IP.pack	3d4747bb158259c6ce13ec7f5a03fcf7
EasyFlash	SARA-N310-00X-00_FW18.13_A01.00.dof	3ea281e611d488b0dc06222905e4ad22
FOAT	SARA-N310-00X-00_FW18.10_A01.04_ES2__SARA-N310-00X-00_FW18.13_A01.00_IP.pack	3d4747bb158259c6ce13ec7f5a03fcf7
FOTA (test) uFOTA ID: 926	SARA-N310-00X-00_FW18.13_A01.00_IP__SARA-N310-00X-00_FW18.13_A01.00_FOTA.pack	98787c2070665da3989192033e691c64
FOTA (test) uFOTA ID: 927	SARA-N310-00X-00_FW18.13_A01.00_FOTA__SARA-N310-00X-00_FW18.13_A01.00_IP.pack	a451ca41ffa3bdec59883b44f636cdd2

## 7 Tools

- m-center v02.03.00 – Download from the u-blox.com website via this page: [m-center](#)
- EasyFlash 12.08 – Download from the u-blox.com website via this link: [EasyFlash 12-08](#)

## 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](#)

## Appendix

### A Features added compared to engineering samples

- Radio Policy Manager (RPM)
- Network attach optimizations
- FTP fixes and optimizations
- Cipher suites added for TLS/DTLS
- RX test mode (<mode>=2) and TX test mode (<mode>=3) on the +UTEST AT command
- MQTT: increased <client\_id>, <username>, <password> parameter length to 256 bytes

### B Known bugs and 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 given at the end of FOTA package download process.
- [u-blox id 810] CoAP: error result code from the CoAP server is not reported to user via URC.