

Product Change Notification

Topic LARA-R280 Firmware Update
UBX-18052020

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1 Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
LARA-R280	LARA-R280-02B	LARA-R280-02B-01	LARA-R280-02B-02	

2 Type of Change

- Hardware modification
- Firmware update
- Documentation update
- Others

3 Description of Change

- [u-blox ID LR28002B-7] Under very rare circumstances, some units may lose their valid unique IMEI / Calibration data over their lifetime. Without valid IMEI the module is unable to connect to the network. The new firmware provides a backup function in order to be able to restore lost IMEI / Calibration data in case that happens.
- [u-blox ID LR28002B-1] In areas with poor LTE coverage, it is not possible to send data for a few minutes due to out of sync state of modem. The new firmware provides a fix for this issue.

The firmware version can be identified according to the type number, as follows:

Old type number	Current firmware version	New type number	New firmware version
LARA-R280-02B-01	Modem: 30.43 Application: A01.02	LARA-R280-02B-02	Modem: 30.43 Application: A01.03

The modem and application version can be polled from the module by sending the AT+GMR and AT+I9 commands. See the u-blox cellular AT commands manual [1] for details. The firmware is fully tested and has passed all the release tests at u-blox.

4 Schedule

Estimated First Shipment Date	31-Aug-2018
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5 Customer Impact and Recommended Action

Products with the new type number are functionally and pin-to-pin compatible with their predecessors. Changes implemented in the new firmware are not relevant to certification, and certification grants already achieved remain valid.

6 Known limitation

See LARA-R280-02B IP Information Note [5].

7 Reference Documents

- [1] u-blox AT Commands Manual (UBX-13002752)
- [2] LARA-R2 series System Integration Manual (UBX-16010573)
- [3] LARA-R2 series Data Sheet (UBX-16005783)
- [4] TOBY-R200, TOBY-R202, LARA-R202, LARA-R203, LARA-R280 Product Change Notification (UBX-18018067)
- [5] LARA-R280-02B IP Information Note (UBX-17063950)