

## Information note

**Topic** LARA-L6004-00B, LARA-L6004D-00B Mass production  
UBX-23003246 C1-Public

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## 1 Affected products

Product name	Ordering code	Type number	Firmware	Remarks
LARA-L6004	LARA-L6004-00B	LARA-L6004-00B-00	Modem: 03.16 Application: A00.01	
LARA-L6004D	LARA-L6004D-00B	LARA-L6004D-00B-00	Modem: 03.16 Application: A00.01	

## 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 checked="" type="checkbox"/> Label change             | <input type="checkbox"/> Other                           |

## 3 Description

Status of the above listed product has changed from Engineering Samples (ES) to Mass Production (MP). The module labels have been updated to include related certification information.

HW and FW version remain unchanged between IP and MP.

### 3.1 Hardware changes

No changes from ES.

### 3.2 Software changes

The following issues have been fixed:

#### Registration/Network services

- [u-blox ID 1932]: Transitory registration URCs (+CREG, +CEREG, +CGREG) do not always match with the effective registration state. Use +COPS read command to retrieve the actual RAT in case of inconsistencies.

#### Networking

- [u-blox ID 3225]: ECM stops working after AT+CFUN=4 when auto connect is not enabled. As a workaround, properly configure the CID that ECM should use and enable +UIFCNF's "auto-connect" parameter.
- [u-blox ID 3224]: UE reboot may occur at boot time when the ECM is enabled.

## System features

- [u-blox ID 2905]: Smart temperature, not all URCs are issued in +UUSTS: 2 configuration.

## Connectivity

- [u-blox ID 2967]: FOAT file transfer on UART with baud rate 3'000'000 bit/s is not functional.

## 4 Schedule

First production parts will be available in 2023 calendar week 13.

## 5 Firmware update

- ES units can be upgraded to IP firmware by u-blox EasyFlash, FOAT and FOTA procedures.
- An IP unit cannot be downgraded with the ES firmware.

### 5.1 Firmware update packages and md5 signature

Product / delivery	Filename	md5sum
<b>LARA-L6004-00B</b>		
EasyFlash	LARA-L6004-00B-00-IP-0316A0001-008K00.dof	134023ce95c4da7c768e5f327e3b1363
FOAT	LARA-L6004-00B-00-IP-0316A0001-008K00.upd	ee0edcd274eed6f87cc9f2df9608e56b
FOTA from ES to IP uFOTA ID: 1968	LARA-L6004-00B-00-ES-0315A0001-008K00_LARA-L6004-00B-00-IP-0316A0001-008K00.upd	7b693a11ad9008547530d4e2f7311d0e
FOTA test 03.16 to ENG0299 uFOTA ID: 1969	LARA-L6004-00B-00-IP-0316A0001-008K00_LARA-L6004-00B-00-XX-0316ENG0299A0001-008K00.upd	f5dc457f8dda7dc2b633689eb3b528be
FOTA test ENG0299 to 03.16 uFOTA ID: 1970	LARA-L6004-00B-00-XX-0316ENG0299A0001-008K00_LARA-L6004-00B-00-IP-0316A0001-008K00.upd	8f2eaab8ad93c0d9c94059991510bf3f
<b>LARA-L6004D-00B</b>		
EasyFlash	LARA-L6004D-00B-00-IP-0316A0001-009K00.dof	269571a42853958fe41b2605e3e64d05
FOAT	LARA-L6004D-00B-00-IP-0316A0001-009K00.upd	49c189ffddf2e64cc3b25622d185876b
FOTA from ES to IP uFOTA ID: 1965	LARA-L6004D-00B-00-ES-0315A0001-009K00_LARA-L6004D-00B-00-IP-0316A0001-009K00.upd	1994bdf401e2d758cc7606f1c57f1b47
FOTA test 03.16 to ENG0299 uFOTA ID: 1966	LARA-L6004D-00B-00-IP-0316A0001-009K00_LARA-L6004D-00B-00-XX-0316ENG0299A0001-009K00.upd	438e143e5264945c55f4f432c4fedd5e
FOTA test ENG0299 to 03.16 uFOTA ID: 1967	LARA-L6004D-00B-00-XX-0316ENG0299A0001-009K00_LARA-L6004D-00B-00-IP-0316A0001-009K00.upd	60088c963b11888c46f3318f32dc4b7f

For the FW packages, contact u-blox technical support, [www.u-blox.com/support](http://www.u-blox.com/support).

## 6 Tools

- [m-center v02.07.00](#)
- [EasyFlash 13.07](#)
- [u-blox LARA-L6 USB driver](#)

## 7 Related documentation

- [1] u-blox LARA-R6 / LARA-L6 series AT commands manual, [UBX-21046719](#)
- [2] u-blox LARA-L6 series data sheet, [UBX-21047783](#)
- [3] u-blox LARA-R6 / LARA-L6 series system integration manual, [UBX-21010011](#)
- [4] u-blox LARA-R6 / LARA-L6 series application development guide, [UBX-22001850](#)

## Appendix

### A Known limitations

#### Network services

- [u-blox ID 2159]: +COPS read command <oper> parameter can return Service Provide PLMN Name from SIM card in addition to the network alphanumeric name, retrieved from +COPN list or NITZ information.

#### Networking

- [u-blox ID 3463]: Connectivity in ECM - bridge mode stops after IP address changes (e.g., after a registration cycle), AT+CFUN=16 shall be used to recover.

#### SIM management

- [u-blox ID 890]: "SIM not present" is returned by +CPIN read command after boot for a transitory phase of a few seconds.

#### System features

- [u-blox ID 3485]: +URXDIV is not supported.
- [u-blox ID 3437]: AT commands Interface unresponsive after AT+UGTMR=0 command, the command cannot be used.
- [u-blox ID 3458]: +UULOC reports <antenna\_status>==0 and <jamming\_status>==0 with external M8 receiver.

#### FW update

- [u-blox ID 2967]: FOAT file transfer on UART with baud rate 3'000'000 bit/s is not functional.
- [u-blox ID 7]: +UFOTASTAT URC always shows <update\_result> equal to 0 (initial), after the reboot of the FOTA update from ES to IP version, even if the package has been downloaded and installed.