

PCN – Product Change Notification

Topic:	LISA-U2xx-02S, -U200-52S, -U200-62S, -U270-62S
	UBX-14005768
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1 Affected Products

Product Name	Order Number	Type No (Old)	Type No (New)	Remarks
LISA-U200	LISA-U200-02S	LISA-U200-02S-00	LISA-U200-02S-01	
LISA-U200	LISA-U200-52S	LISA-U200-52S-00	LISA-U200-52S-01	Module for S. Korea.
LISA-U200	LISA-U200-62S	LISA-U200-62S-00	LISA-U200-62S-01	Module for Japan. LISA-U200-62S-01 is successor product for LISA-U200-61S
LISA-U260	LISA-U260-02S	LISA-U260-02S-00	LISA-U260-02S-01	
LISA-U270	LISA-U270-02S	LISA-U270-02S-00	LISA-U270-02S-01	
LISA-U270	LISA-U270-62S	LISA-U270-62S-02	LISA-U270-62S-03	

2 Type of Change

- Hardware modification
 Firmware update
 Others, _____

3 Description of Change

The firmware of the products has been updated:

- To support a new boot-ROM software of the baseband chipset released by the chipset manufacturer. All the chip functionalities have not changed and the chip with the new boot ROM version is fully drop-in compatible without any impact on function or reliability.
- Improve the performance and robustness of the internal Flash-File system.
(Comment: LISA-U200-01S-50 and LISA-U200-61S-02 already included this modification)
- (u-blox tracking number 15850): It is possible to query AoC's <ccm> value even if EF-ACM and/or EF-ACMmax not present.
- (u-blox tracking number 15851, 16286): HTTP POST / HTTP GET supports Content-type application/json, application/xml.
- (u-blox tracking number 15850): reply of HTTP GET command returned immediately when the content-length is 0.
- (u-blox tracking number 15853): USSD messages longer than 130 characters are possible.
- (u-blox tracking number 15855): Power Saving Mode works as specified when using Direct Link Mode over SPI interface.
- (u-blox tracking number 15856): The command +USOCTL=0,11 returns a correct value .
- (u-blox tracking number 15860): support of "blank APN" for internal PDP-context (embedded TCP/IP stack).
- (u-blox tracking number 16331): Improvement on +ULOC when using both GNSS and CellLocate.
- (u-blox tracking number 16332): GPIO "TX data ready" works also with u-blox 7 GNSS modules.

- (u-blox tracking number 16353): New AT command AT19, to read the module Application firmware version.
- u-blox tracking number 16354): GMMP "Status Check" response works as specified (only for LISA-U200-52S).

No hardware modifications were made.

	Modem firmware number	Application firmware number
LISA-U200-02S, LISA-U200-62S	22.90 (not changed)	A01.01
LISA-U260-02S, LISA-U270-02S	22.90 (not changed)	A01.01
LISA-U200-52S	22.86 (not changed)	A01.01
LISA-U270-62S	22.93 (not changed)	A01.01

4 Schedule

Samples:	9 th July 2014
Estimated First Shipment Date ⁽¹⁾ :	14 th August 2014
Documentation (e.g. release note):	Available

5 Customer Impact and Recommended Action

The modem firmware (retrievable via AT+CGMR command) has not changed (see above).

The Application firmware (retrieved via AT19 command) is: A01.00 (for all products)

Changes are not relevant for approvals and certifications.

u-blox has taken utmost care to ensure full backward compatibility to the previous versions. A system check before deployment in production is however still recommended.

6 Reference Documents

- [1] LISA-U2 Data-sheet, u-blox Document UBX-13001734
- [2] u-blox AT-commands Manual, u-blox Document WLS-SW-11000
- [3] LISA-U Series System Integration Manual, u-blox document UBX-13001118

¹ The Estimated First Shipment Date is the forecasted date that a customer may expect to receive 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 changed product on this date, u-blox will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.