

Information Note – SARA-U260, SARA-U270 modules Initial Production

Product Name	Ordering Code	Design Status	Created		Document #
SARA-U260	SARA-U260-00S	Initial Production	Ezra Stein	9 th July 2014	UBX-14015739
SARA-U270	SARA-U270-00S				

1. Identification			
Package	1	No of units	1
Marking			
Firmware	23.20	Application firmware	A01.00

2. Restriction as compared to specification	
See Annex A.	

3. Detected Defects	
See Annex B.	

4. Workarounds	
Workarounds – if available – are described in Annex A and B.	

5. Test Status		
<input checked="" type="checkbox"/> Tested according to specification	<input type="checkbox"/> Untested	<input type="checkbox"/> Limited testing. see Annex A & B

6. References	
[1] SARA-U2 Series Data-sheet, u-blox Document UBX-13005287, Revision R04 [2] u-blox AT Commands Manual, u-blox Document UBX-13002752, Revision R23 [3] SARA-G / SARA-U System Integration Manual, u-blox Document UBX-13000995, Revision R10 [4] Sample Delivery Note SARA-U2xx modules, u-blox document UBX-14005257	

7. Expected Customer Feedback		Expected by
Feedback should be provided to u-blox technical support.		

8. Delivery Release		
Product Manager		
Name: Ezra Stein	Date: 21 st July 2014	

Annex A – Restrictions compared to specifications

Hardware

No restrictions.

Features / Firmware / Software

- Audio over USB interface is not implemented. This feature is removed from the product.
- Control Plane Aiding for A-GPS is not implemented. Feature will be implemented in a next product version.
- Bearer Independent Protocol (BIP) is not implemented. Feature will be implemented in the next product version.

Annex B – Known bugs and limitation

- (u-blox tracking number 15392) +ULOC command: when the sensor requested is "1" (GNSS receiver), the module sometimes returns a position with sensor "2" (CellLocate sensor) as the sensor used. This happens typically when the timeout is very short (e.g. 10 or 20 seconds) and the GPS antenna is unplugged. The positioning information is correct.
- (u-blox tracking number 16300) +UGSRV command: the MGA secondary server address has always to be set. Do not leave empty.
- (u-blox tracking number 16444) module is locked on a UMTS cell with UCELLLOCK: there is no indication (URC) when network coverage is lost, and module remains unregistered. Workaround: poll the module with +CREG command, and when registration is lost use +COPS Command.
- (u-blox tracking number 16130) +UUSORD: when data is available in the socket, command returns <CR><LF>OK<CR><LF> instead of<CR><LF><CR><LF><OK<CR><LF> (which is specified in [2]).

Annex C – New features implemented in this firmware version

- FW 23.20 can be uploaded to all previously released prototype and samples.
- Correction of all other bugs described in [4].