

IN – Information Note

Topic:	TOBY-L2x0-03S, MPC1-L2x0-03S Release to Production
	UBX-17022983 – R02
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1 Affected Products

Product name	Order number	Type number	Firmware version	Remarks
TOBY-L200	TOBY-L200-03S	TOBY-L200-03S-00	Modem: 15.90 Application: A01.50	Status: Initial Production
TOBY-L210	TOBY-L210-03S	TOBY-L210-03S-00	Modem: 15.63 Application: A01.50	Status: Initial Production
TOBY-L280	TOBY-L280-03S	TOBY-L280-03S-00	Modem: 15.63 Application: A01.50	Status: Initial Production
MPC1-L200	MPC1-L200-03S	MPC1-L210-03S-00	Modem: 15.90 Application: A01.50	Status: Initial Production
MPC1-L210	MPC1-L210-03S	MPC1-L210-03S-00	Modem: 15.63 Application: A01.50	Status: Initial Production
MPC1-L280	MPC1-L280-03S	MPC1-L280-03S-00	Modem: 15.63 Application: A01.50	Status: Initial Production

2 Type of Change

- Hardware modification
- Firmware update
- Documentation update

3 Description of Change

Newly implemented features and known limitations are listed in Annex A, B, C.

The following documents have been modified:

- Data sheet [1], [2]
- AT command manual [3]
- System Integration Manual [4]

Note: certifications and approvals for predecessor version (02S) remain valid for 03S version.

4 Schedule

This information is effective as of 23rd June, 2017.

5 Reference Documents

- [1] TOBY-L2 Data Sheet, u-blox document no. UBX-13004573-R23
- [2] MPC1-L2 Data Sheet, u-blox document no. UBX-13004749-R17
- [3] u-blox AT Commands Manual, u-blox document no. UBX-13002752-R52
- [4] TOBY-L2 / MPC1-L2 System Integration Manual, u-blox document no. UBX-13004618-R23
- [5] TOBY-L2 / MPC1-L2 Initial Production Information Note, u-blox document no. UBX-15029946

Annex

A New features and interfaces in this version

For detailed description of the new features and interfaces, see the TOBY-L2 Data Sheet [1], MPC1-L2 Data Sheet [2], u-blox AT Commands Manual [3], TOBY-L2 / MPC1-L2 System Integration Manual [4].

Interface to WiFi module	<ul style="list-style-type: none"> • WEP security • New configuration file must be applied for ELLA-W1 to comply with current FCC grant and ETSI regulation.
SAP	<ul style="list-style-type: none"> • SIM Access Profile (SAP)

TOBY-L2 / MPC1-L2 "02S" product versions can be updated to the TOBY-L2 / MPC1-L2 "03S" product versions.

B Restrictions compared to specifications

B.1 Hardware

No restrictions or limitations.

B.2 Features / Firmware / Software

- The following AT commands are not functional and must not be used: +UCELLOCK.
- +UCGED: the parameter <mmeCode> is not reliable.
- Warning: Flashing a FW image not provided by u-blox will cause the module to crash.

C Known bugs and limitations

- [u-blox ID 728] All the MUX ports shall be opened simultaneously.
- [u-blox ID 1405] The framing of the local PPP should be equal to the current setting of the adopted serial.
- [u-blox ID 1695] AT+UTGN and AT+UPAR are not mixed with the phone call audio: the user hears only the tones.
- [u-blox ID 1836] Speech codec in use is not correctly reported when an Intra-RAT HO from WCDMA to GSM is performed.
- [u-blox ID 1998] In +UCGED the UTRA additional channels are not reported.
- [u-blox ID 2163] After AT+CFUN=19/1 cycle, the +UICC read command returns "SIM not inserted" until the SIM is finally initialized.
- [u-blox ID 2406] All DLCI shall be opened simultaneously before starting to send AT commands. Sending SABM message every 2 s, the issue is that randomly some ports do not reply to AT commands: i.e. in one test DLCI 2, 3, 5 in another test DLCI 2, 4. Using a delay of 5 s between each SABM everything works fine.
- [u-blox ID 2437] The SAP shall be disabled before issuing AT+CFUN=19.
- [u-blox ID 2446] +UUSAPLOCAL and +UUSAPREMOTE URCs are not displayed in +UDCONF: 50,1 mode.
- [u-blox ID 2712] Wi-Fi clients cannot communicate with TOBY-L2 AP when TOBY-L2 was previously connected as STA to another AP. Workaround: If the AP functionality is activated before connecting TOBY-L2 as STA to the external AP, clients can communicate successfully.
- [u-blox ID 2715] The module crashes when trying to read the MD5 of a not existing certificate. Workaround: do not read the md5 if the previous import command failed.