

IN – Information Note

Topic:	TOBY-L210-60S, MPC1-L210-60S: Release to Production
	UBX-15021694
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1 Affected Products

Product Name	Order Number	Type No	Firmware version	Remarks
TOBY-L210	TOBY-L210-60S	TOBY-L210-60S-00	Modem: 09.94 Application: A01.00	Status: Initial Production
MPC1-L210	MPC1-L210-60S	MPC1-L210-60S-00	Modem: 09.94 Application: A01.00	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.

The following documents have been modified:

- Data sheet [1], [5]
- AT command manual [2]
- System Integration Manual [3]

4 Reference Documents

- [1] TOBY-L2 Data Sheet, u-blox Document UBX-13004573 (revision R09)
- [2] u-blox AT Commands Manual, u-blox Document UBX-13002752 (revision R31)
- [3] TOBY-L2 / MPC1-L2 System Integration Manual, u-blox Document UBX-13004618 (revision R09)
- [4] TOBY-L2 / MPC1-L2 Sample Delivery Engineering Sample, u-blox Document UBX-14040967
- [5] MPC1-L2 Data Sheet, u-blox document UBX-13004749 (revision R04)

Annex A - Description of changes

A.1 Hardware

A.1.1 Limitations

An I²S interface is not implemented in the hardware of TOBY-L210-60S module.

A.2 Firmware

A.2.1 Restrictions and limitations

- Audio is not supported.
- The following interfaces are not supported in this firmware:
 - I²C
 - SDIO
 - GPIO
- IPv6 works under the following condition:
 - RNDIS in bridge-mode only. See [3], section 1.15.4 for the definition of bridge-mode.
- Flashing a FW image not provided by u-blox will cause the module to crash.

A.2.2 List of known bugs

- [u-blox ID 2076] Do not close the MUX ports immediately after the termination of a dial-up, it is recommended to wait at least 3 s before closing the MUX DLCI.
- [u-blox ID 2030] During PPP startup some unexpected strings may be sent by the modem. Workaround: ignore these strings.
- [u-blox ID 1996] Preferred operator list command (+CPOL) is not available in +COPS=2.
- [u-blox ID 1980] In +UCGED the LTE indicators <mmeGrId> and <mmeCode> may be wrong.
- [u-blox ID 1928] Use +CESQ for RSSI level indication in LTE RAT instead of +CIEV.
- [u-blox ID 1920] All the MUX ports shall be opened simultaneously.
- [u-blox ID 1906] Downloading a file in the file system at high baudrate (921600 b/s) can lead to data corruption. Workaround: decrease the UART baudrate. It is recommended to use rate of 115200 b/s.
- [u-blox ID 1188] After deleting a PDP context with +CGDEL, if the context is later re-defined, all previously existing associated data (QoS profiles, TFTs) will reappear.
- [u-blox ID 804] +URAT preferred values are not always respected when the setting is done with the sequence +COPS=2, +URAT, +COPS=0. Use the sequence: +CFUN=4, +URAT, +CFUN=1.