

Ref: PCN\_TOBYL2\_20211111

# Product Change Notice

## LTE Modem Firmware Update to Version 17.00 A01.01

### Summary

The firmware version *17.00 A01.01* for TOBY-L2 modem series has been released by u-blox on September 30, 2021. NetModule has qualified the new firmware for use with NetModule products. The following NRSW releases are compatible with this firmware version:

- 4.3.0.115 or higher
- 4.4.0.114 or higher
- 4.5.0.107 or higher
- 4.6.0.100 or higher

NetModule recommends updating the TOBY-L2 LTE modem with firmware version 17.00 A01.01.

### Affected Products

All products with product options “-L”, “-Lbb” and “-Lg” for LTE Cat. 4 based on u-blox TOBY-L2xx modem are affected. Products using other cellular standards are not affected: e.g. LTE Advanced, LTE 450 MHz, GSM-R.

### Product Change

The following changes in the firmware of the modems are the most relevant for NetModule customers:

- Under very rare circumstances, some units may fail to boot. The issue is evident predominantly at high temperatures (e.g. 85 °C) while at lower temperatures normal module behaviour is typically restored. The issue has been observed on units belonging to a specific production lot (units produced in 2021). The root cause is related to a mismatch on refresh timing set for the RAM memory and the actual characteristics of specific RAM memory parts themselves. To solve the issue and improve product robustness, the new firmware implements new RAM refresh timing.
- eSIM/eUICC feature supported with NRSW version 4.5 and 4.6 was improved (some provider profiles did not work with previous firmware version 17.00 A01.00). This point is relevant only if you have licensed the eSIM/eUICC feature of NRSW.

For further information you may also refer to the u-blox [Product Change Note UBX-21036626](#).

## Additional Information

The firmware images are available for download here:

- TOBY-L210 for EMEA region, order code L:  
[https://share.netmodule.com/public/system-software/firmware/TOBY-L210-03S-03\\_FW17.00\\_A01.01\\_IP-v1.1.tar.gz](https://share.netmodule.com/public/system-software/firmware/TOBY-L210-03S-03_FW17.00_A01.01_IP-v1.1.tar.gz)
- TOBY-L200 for NA region, order code Lbb:  
[https://share.netmodule.com/public/system-software/firmware/TOBY-L200-03S-03\\_FW17.00\\_A01.01\\_IP-v1.1.tar.gz](https://share.netmodule.com/public/system-software/firmware/TOBY-L200-03S-03_FW17.00_A01.01_IP-v1.1.tar.gz)
- TOBY-L280 for APAC region, order code Lg:  
[https://share.netmodule.com/public/system-software/firmware/TOBY-L280-03S-03\\_FW17.00\\_A01.01\\_IP-v1.1.tar.gz](https://share.netmodule.com/public/system-software/firmware/TOBY-L280-03S-03_FW17.00_A01.01_IP-v1.1.tar.gz)

Detailed Instructions can be found here: <https://wiki.netmodule.com/maintenance/modem-firmware-update>

Should you have any questions, please do not hesitate to contact NetModule support at [support@netmodule.com](mailto:support@netmodule.com) or +49 6196 779979 40 / +41 31 537 09 21