

Ref: PCN_Sierra_MC74xx_20220930

Product Change Notice

NB1800, NB1810, NB2800, NB2810, NB3800 Product Update

Standard LTE **Cat. 6** Modem upgrade

Summary

Effective 31st of December 2022 NetModule is starting to replace the standard Cat. 6 LTE cellular modem for the regions EMEA, NA and APAC due to component shortage resp. end-of-life situation. This change will affect the specification of the LTE & GNSS feature set of our products with mPCIe modules.

Affected Products

The change will affect all NB1800, NB1810, NB2800, NB2810, NB3800 products with product option “-Ld” (EMEA, NA region LTE Cat. 6), “-Lc” (APAC region LTE Cat. 6) and “-G” (Standard GNSS). These products contain mPCIe modules. The cellular modem is changed from Sierra Wireless MC7455 and MC7430 to Telit LN920A12-WW (worldwide, LTE Cat. 12) with product option “-Lp”.

Key Dates

Product Option Code	Last Time Buy (LTB)	Last Time Shipment (LTS)	End of Support and Repair (ESR)
Modem “-Ld”, MC7455	December 31, 2022	June 30, 2023	June 30, 2025
Modem “-Lc”, MC7430	December 31, 2022	June 30, 2023	June 30, 2025

Product Change

The following LTE and GNSS features comparison table show the changes introduced by the transition to the new modem. Most relevant changes are highlighted.

NetModule Modem Type	Standard LTE Cat. 6 Modem with GNSS		Standard LTE Cat. 12 Modem with GNSS
Lifecycle Status	End-of-Life		Replacement
Type	Sierra Wireless MC7455	Sierra Wireless MC7430	Telit LN920A12-WW
Region	EMEA, NA	APAC	EMEA, NA, LATAM APAC
Product Option Codes	"-Ld" and "-Ld-G"	"-Lc" and "-Lc-G"	"-Lp" and "-Lp-G"
4G - LTE	B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41	B1, B3, B5, B7, B8, B18, B19, B21, B28, B38, B39, B40, B41	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B38, B39, B40, B41, B42, B43, B48, B66, B71
3G - DC-HSPA+/UMTS (MHz)	B1, B2, B3, B4, B5, B8	B1, B5, B6, B8, B9, B19	B1, B2, B4, B5, B6, B8, B9, B19
2G - GSM/GPRS/EDGE (MHz)	-	-	-
LTE Category	6	6	12
MIMO	2x2		
Data rates (max) downlink / uplink	300 Mbps / 50 Mbps	300 Mbps / 50 Mbps	600 Mbps / 150 Mbps
Voice Support	-	-	-
eUICC Support	-	-	Under development
GNSS Support	GPS, Galileo, GLONASS, BeiDou	GPS, Galileo, GLONASS, BeiDou	GPS, Galileo, GLONASS, BeiDou
Tracking Sensitivity	Up to -160 dBm	Up to -160 dBm	up to -160 dBm
GNSS Chipset	Modem built-in	Modem built-in	Modem built-in
Required NRSW	Various	Various	4.7.0.100 and later
Product Revision	Various	Various	Rev. C

Additional Information

Should you have any questions, please do not hesitate to contact your sales representative sales@netmodule.com or NetModule support at support@netmodule.com or by phone +49 6196 779979 0 / +41 31 985 25 10

Appendix – Order Code on Type Label**NB1800 / NB1810 / NB2800 / NB2810 / NB3800**

Order Code	Description	Software	Product Status
Lp	Standard LTE Cat. 12 (Telit LN920A12-WW)	NRSW 4.7.0.100 and later	Available
Lp-G	Standard LTE Cat. 12 with GNSS (Telit LN920A12-WW)	NRSW 4.7.0.100 and later	Available