

Active - Cellular	Standard LTE				LTE Advanced Pro with GNSS	5G-NR with GNSS	LTE 450	GSM-R
	with GNSS			no GNSS				
Modem Region	EMEA	US (AT&T, Rogers)	APAC	NA, LATAM, EMEA, APAC	NA, LATAM, EMEA, APAC	EMEA, NA, APAC	EMEA	EMEA
Modem Vendor, Type	Telit LE910C4-EU	u-blox TOBY-L200	u-blox TOBY-L280	u-blox LARA-L6004 / LARA-L6004D	Telit LN920A12-WW	Telit FN980	Cellient MPL200	Triorail TRM-5
Status / Effective	Available	Available	Available	Available	Available	Available	Available	Available
5G NR	n.a.	n.a.	n.a.	n.a.	n.a.	n1, n2, n3, n5, n7, n8, n12*, n20, n25, n28, n38, n40, n41, n48, n66, n71, n77, n78, n79	n.a.	n.a.
LTE Bands	B1, B3, B7, B8, B20, B28A	B2, B4, B5, B7, B17	B1, B3, B5, B7, B8, B28	B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B26, 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 (CBRS), B66, B71	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29DL, B30, B32, B34, B38, B39, B40, B41, B42, B43*, B46(LAA), B48(CRS), B66, B71	B3, B7, B20, B31	n.a.
DC-HSPA+/UMTS Bands (MHz)	B1(2100), B3(1800), B8(900)	B1(2100), B2(1900), B4(AWS), B5(850), B8(900)	B1(2100), B2(1900), B5(850), B8(900)	B1, B2, B5, B8	B1, B2, B4, B5, B6, B8, B9, B19	B1, B2, B3, B4, B5, B6, B8, B9, B19	B1(2100), B8(900)	n.a.
GSM/GPRS/EDGE Bands (MHz)	B3(1800), B8(900)	B2(1900), B3(1800), B5(850), B8(900)	B2(1900), B3(1800), B5(850), B8(900)	B2(1900), B3(1800), B5(850), B8(900)	n.a.	n.a.	B8(900), B3(1800)	GSM-R, B8(900), B3(1800)
LTE Category	4	4	4	4	12	20	3	n.a. (GPRS class 10)
MIMO	2x2	2x2	2x2	2x2	2x2	4x4	2x2	n.a. (SISO)
Data Rates (max): downlink / uplink	150 Mbps / 50 Mbps	150 Mbps / 50 Mbps	150 Mbps / 50 Mbps	150 Mbps / 50 Mbps	600 Mbps / 150 Mbps	5.5 Gbps / 2.7 Gbps	100 Mbps / 50 Mbps	85.6 kbps / 42.8 kbps
Voice, Audio	yes - CSFB, VoLTE	yes - CSFB	yes - CSFB	L6004: yes - CSFB, VoLTE L6004D: No	n.a.	n.a.	n.a.	yes
GNSS Support	GPS, Galileo, GLONASS, BeiDou	GPS, Galileo, GLONASS, BeiDou	GPS, Galileo, GLONASS, BeiDou	n.a.	GPS, Galileo, GLONASS, BeiDou	GPS, Galileo, GLONASS, BeiDou	n.a.	n.a.
Tracking Sensitivity	up to -160 dBm	Up to -165 dBm	Up to -165 dBm	n.a.	Up to -158 dBm	Up to -161 dBm	n.a.	n.a.
Assisted GPS	no	yes	yes	n.a.	no	no	n.a.	n.a.
GNSS Chipset	Modem built-in	u-blox M8	u-blox M8	n.a.	Modem built-in	Modem built-in	n.a.	n.a.
Form Factor	miniPCIe	miniPCIe / LGA	miniPCIe / LGA	LGA	M2 (with miniPCIe adapter)	M2 (with miniPCIe adapter)	miniPCIe	miniPCIe
NetModule Product Codes	"-L", "-L-G"	"-Lbb", "-Lbb-G"	"-Lg", "-Lg-G"	L6004: "-L" L6004D: "-Lj"	"-Lp, -Lp-G"	"-N", "-N-G"	"-La"	"-Gr"
Technically Supported Routers	NB3800(Rev.>=C) NB3701(Rev.>=C) NB2800(Rev.>=C) NB28100(Rev.>=C) NB1800(Rev.>=C) NB1810(Rev.>=C)	NB800 (Rev.>=B), NG800, NB1601 (Rev.>=B), NB1800(Rev.>=B), NB1810(Rev.>=B), NB2700, NB2800, NB2810, NB3701, NB3800(Rev.>=B)	NB800 (Rev.>=B), NG800, NB1601(Rev.>=B), NB1800(Rev.>=B), NB1810(Rev.>=B), NB2700, NB2800, NB2810, NB3701, NB3800(Rev.>=B)	NB800 (Rev.>=B03), NB1601 (Rev.>=B03), NG800 (Rev.>=A03)	NB3800(Rev.>=C) NB2800(Rev.>=C) NB28100(Rev.>=C) NB1800(Rev.>=C) NB1810(Rev.>=C)	NB3800(Rev.>=C) NB2800(Rev.>=C) NB28100(Rev.>=C) NB1800(Rev.>=C) NB1810(Rev.>=C)	NB2700, NB2800, NB2810, NB3701, NB3800(Rev.>=B)	NB1601(Rev.>=B), NB3701, NB3800(Rev.>=B)
Required NetModule Router Software	4.7.0.100 and later	4.2.0.104 and later	3.8.0.114 and later	4.8.0.100 and later	4.7.0.100 and later	4.7.0.100 and later	4.0.0.100 and later	4.0.0.100 and later

Active Cellular-Overview - 22.06.2023

Errors reserved \* future FW-Module release