



5G Module – Tech Specs

Model		RM520N-GL
Region		Global
Size (mm)		30.0 × 52.0 × 2.3
Weight (g)		≈ 8.7
Voltage (V)		3.135–4.4 Typ. 3.7
Power Consumption		Shutdown: 195 μA Hibernation: 4.7 mA USB 2.0 (Idle): 41 mA USB 3.0 (Idle): 60 mA
Temperature Range		
Working Temperature		-30 °C to 75 °C
Extended Temperature		-40 °C to 85 °C
Frequency Band		
5G NR	NSA	n1 / 2 / 3 / 5 / 7 / 8 / 12 / 13 / 14 / 18 / 20 / 25 / 26 / 28 / 29 / 30 / 38 / 40 / 41 / 48 / 66 / 70 / 71 / 75 / 76 / 77 / 78 / 79
	SA	n1 / 2 / 3 / 5 / 7 / 8 / 12 / 13 / 14 / 18 / 20 / 25 / 26 / 28 / 29 / 30 / 38 / 40 / 41 / 48 / 66 / 70 / 71 / 75 / 76 / 77 / 78 / 79
LTE	LTE-FDD	B1 / 2 / 3 / 4 / 5 / 7 / 8 / 12 / 13 / 14 / 17 / 18 / 19 / 20 / 25 / 26 / 28 / 29 / 30 / 32 / 66 / 71
	LTE-TDD	B34 / 38 / 39 / 40 / 41 / 42 / 43 / 48
	LAA	B46
UMTS	WCDMA	B1 / 2 / 4 / 5 / 8 / 19
GNSS		GPS / GLONASS / BDS / Galileo / QZSS
Certification		
Mandatory / Conformance Certification		GCF / PTCRB / CE / Anatel* / CCC / RCM / IC / FCC / JATE* / TELEC* / KC* / NCC*
Operator Certification		T-Mobile / Verizon* / AT&T* / NTT DOCOMO* / Deutsche Telekom* / Telstra*
Other Certifications		RoHS
Data Transmission Tate (Maximum Value) ^①		
5G SA Sub-6		DL 2.4 Gbps; UL 900 Mbps
5G NSA Sub-6		DL 3.4 Gbps; UL 550 Mbps
LTE		DL 1.6 Gbps; UL 200 Mbps
WCDMA		DL 42 Mbps; UL 5.76 Mbps
Interface		
(U)SIM		× 2
USB 2.0		× 1
USB 3.0/3.1		× 1
PCIe 3.0		× 1
Antenna (Sub-6 / GNSS)		× 4
Audio		
Voice		VoLTE (Optional)
Outstanding Features		
eSIM*		○
DTMF*		●
DFOTA*		●
(U)SIM Card Detection		●

Notes:

- ①: Theoretical rate. Actual performance may vary depending on network configuration.
- *: Under development / In progress.
- : Supported.
- : Optional.