



319.00 EUR

incl. 19% VAT, plus shipping

- **Full-size M.2 !**
- **5G / LTE !**
- **Sub6 Network !**
- **Extended temperature range !**

Quectel RM530N-GL is a 5G module that is specially optimized for IoT/eMBB applications. Based on 3GPP Release 16, it supports both 5G NSA and SA modes. Designed in an M.2 form factor, RM530N-GL is compatible with Quectel 5G modules from the Sub-6-only RM520N series, which facilitates customers' compatible designs for Sub-6 + mmWave devices and Sub-6-only devices.

The RM530N-GL is an industrial-grade module for industrial and commercial applications only. The RM530N-GL covers nearly all of the main operators worldwide. The module supports Qualcomm IZatT™ location technology Gen9C Lite (GPS, GLONASS, BDS, Galileo, and QZSS). The integrated GNSS receiver greatly simplifies the product design, and also provides quicker, more accurate and more dependable positioning capability.

A rich set of Internet protocols, industry-standard interfaces and abundant functionality (USB and PCIe drivers for operating systems Windows 7/8/8.1/10/11, Linux and Android) extend the applicability of the module to a wide range of IoT and eMBB applications such as industrial routers, home gateways, CPE, industrial and consumer laptops, industrial PDAs, rugged tablet PCs, video transmission, and digital signage.

Region	Europe North America South America Australia Japan APAC
PRIMARY TECHNOLOGY	5G (Sub-6 GHz/mmWave)
Control via AT commands	3GPP TS27.007 and Quectel Enhanced AT Commands
FORM FACTOR	M.2 3052 / 52.0 × 30.0 × 2.3 / 8.8g weight
5G BANDS (Global)	5G NR: n1/2/3/5/7/8/12/13/14/18/20/25/26/28/29/30/38/40/41/48/66/70/71/75/76/77/78/79/257/258/260/261; 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; WCDMA: B1/2/4/5/8/19
Operating temperature	-30°C - 75°C Extended: -40 ~ +85°C
Data transmission (Max.)	5G SA Sub-6: 2.4 Gbps (DL)/900 Mbps (UL) 5G NSA Sub-6: 3.4 Gbps (DL)/550 Mbps (UL) 5G NSA mmWave: 4.0 Gbps (DL)/1.4 Gbps (UL) LTE: LTE-FDD: 1.6 Gbps (DL)/200 Mbps (UL) UMTS (Mbps): WCDMA: 42 (DL)/5.76 (UL) Protocols: TCP/UDP/FTP/HTTP/HTTPS/PING/SMS
Interfaces	(U)SIM: x2 USB: 2.0/3.0/3.1 PCIe: 3.0 Antenna: Sub-6/GNSS x 4, mmWave × 2
Enhanced features	NIMO: Sub-6: DL 4 × 4 , UL 2 × 2 mmWave: DL 2 × 2, UL 2 × 2 DTMF: Dual-tone Multi-frequency DFOTA: Delta Firmware over the Air GNSS: GPS/GLONASS/BDS/Galileo/QZSS

Electrical features	3.135 V ~ 4.4 V, typ. 3.7 V - 173µA@Power off 5.1mA@Sleep 51mA@USB2.0, Idle 69.4mA@USB3.0, Idle
Soft ware features	USB serial driver: Windows 8.1/10/11, Linux 2.6~6.7, Android 4.x ~ 13 GNSS / RIL driver: Android 4.x ~ 13 NDIS driver: Windows 8.1/10/11 MBIM driver: Windows 8.1/10/11, Linux 3.18~6.7 Gobinet driver: Linux 2.6~6.7 QMI WWAN driver: Linux 3.4~6.7 PCIe driver: Windows 10/11, Linux 3.10~6.7
Certifi cations	Quectel will provide technical support for customer to certify RM530N-GL based device directly