



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 | 5G (Sub-6 GHz/mmWave) | |
| TECHNOLOGY | | |
| 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/HTTPS/PING/SMS | |
| Interfaces | (U)SIM: x2 USB: 2.0/3.0/3.1 PCIe: 3.0 Antenna: Sub-6/GNSS x 4, mmWave x 2 | |
| Enhanced features | NIMO: Sub-6: DL 4 x 4 , UL 2 x 2 mmWave: DL 2 x 2, UL 2 x 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 | |