



329.00 EUR
incl. 19% VAT, plus [shipping](#)

- 5G !
- up to 2.1Gbit !

Support:  [Manual \[EN\]](#) |  [AT Commands Manual](#) | [Driver \(Windows\)](#)

RM510Q-GL is a sub-6GHz and mmWave M.2 5G IoT module measuring 52.0mm x 30.0mm x 2.3mm which meets the 3GPP Release 15 specification and is optimized for IoT/eMBB applications anywhere in the world. It supports both standalone (SA) and non-standalone (NSA) modes, and also supports LTE category 22 connectivity. The RM510Q-GL is compatible with Quectel's LTE-A category 6 module EM06, category 12 module EM12, and category 20 module EM20, enabling customers to migrate from LTE-A to 5G. The module optionally features integrated GNSS (GPS/GLONASS/BeiDou/Galileo) for rapid and precise positioning, while integrated eSIM optionally allows remote account provision without needing to open the device. The RM510Q-GL supports nearly all major carriers worldwide and is ideal for globally deployed mobile devices including industrial routers, industrial PDAs, rugged tablet PCs and digital signage.

- Worldwide 5G and LTE-A coverage
- Supports both NSA and SA modes
- Compatible with Quectel's LTE-A Cat 6 EM06, Cat 12 EM12 and Cat 20 EM20
- Supports MIMO
- Integrated eSIM (optional)
- USB 3.1 / PCIe 3.0 high speed interface
- Multi-constellation GNSS receiver available
- Feature refinements: DFOTA and VoLTE (optional)

| | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor | LGA |
| Dimensions (mm) | 41.0 x 44.0 x 2.75 |
| 5G | Sub-6 GHz |
| Frequency Bands (MHz) | 5G NR Bands: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78 LTE bands: LTE-FDD: B1/B3/B5/B7/B8/ B20/B28/B32 LTE-TDD: B38/B40/B41/B42/B43 WCDMA Bands: B1/B5/B8 |
| Region | EMEA/ Oceania/ Brazil |
| Operating Temperature | -30°C ~ +75°C |
| Extended Temperature | -40°C ~ +85°C |
| Control via AT Commands | 3GPP TS27.007 and Quectel Enhanced AT Commands |
| Data Transmission | 5G SA Sub-6: Max. 2.1Gbps (DL)/ Max. 900Mbps (UL) 5G NSA Sub-6: Max. 3.3Gbps (DL)/ Max. 600/650Mbps (UL)2 |
| | LTE-FDD: Max. 2Gbps (DL)/ Max. 200Mbps (UL) |
| | WCDMA: Max. 42 Mbps (DL)/ Max. 5.76Mbps (UL) |
| Interface | (U)SIM 2, 1.8V/3.0V UART: 3 USB: 2.0/3.0/3.1 PCIe Gen3 x 2 Lane Cellular Antenna: x 4 + 2 (Optional), GNSS: x 1 |
| Enhanced Features | VoLT Optional DTMF - Dual-tone Multi-Frequency DFOAT - Delta Firmware over the Air GNSS: GPS/ GLONASS/ BeiDou/ Galileo |
| Software Features | Driver for Windows 7/8/8.1/10, Linux 2.6~5.8, Android 4.x/5.x/6.x/7.x/8.x/9.x/10 |
| Certifications | CE/RCM/GCF |