

389.00 EUR

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

- Full-size M.2 !
- 5G / LTE !
- Sub6 Network !
- eMBB-Optimized !



Quectel RM551E-GL is a 5G module that is specially optimized for IoT/ eMBB applications. Adopting 3GPP Rel-17, it supports both 5G NSA and SA modes. Designed in an M.2 form factor, RM551E-GL is compatible with Quectel 5G module RM530N series, which facilitates customers' compatible design for Sub-6-only and Sub-6 & mmWave device.

RM551E-GL is an industrial-grade module for industrial and commercial applications.

The global version RM551E-GL covers all of the main operators worldwide. The module can supports Qualcomm® IZat™ 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 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 router, home gateway, CPE, industrial and consumer laptop, industrial PDA, rugged tablet PC, video transmission and digital signage, etc.

- 5G/ 4G/ 3G multi-mode module with M.2 form factor, optimized for IoT and eMBB applications
- Worldwide 5G and LTE-A coverage
- Both NSA and SA modes supported
- Multi-constellation GNSS receiver available for applications requiring fast and accurate fixes in any environment (optional)
- Feature refinements: DFOTA\* and VoLTE/ VoNR (optional)

|             |                                      |  |
|-------------|--------------------------------------|--|
| Region      | Global                               |  |
| FORM FACTOR | PCIe / 30.0 × 52 × 2,3 / 8,7g weight |  |

|                           |                                                                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5G BANDS<br>(Global)      | 3GPP Release 17<br>5G NR NSA: n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 29(Rx)/ 30/ 38/ 40/ 41/ 48/ 53/ 66/ 70/ 71/ 75/<br>76/ 77/ 78/ 79/ 92/ 94/<br>SA: n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 29(Rx)/ 30/ 38/ 40/ 41/ 53/ 48/ 66/ 70/ 71/ 75/ 76/ 77/ 78/<br>79/ 91/ 92/ 93/ 94/ 257/ 258/ 260/ 261 |
| LTE                       | LTE-FDD: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 29/ 30/ 32/ 66/ 70/ 71<br>LTE-TDD: B34/ 38/ 39/ 40/ 41/ 42/ 43/ 48/ 53<br>LAA: B46(Rx)                                                                                                                                                               |
| Operating temperature     | -30°C - 75°C<br>Extended: -40 ~ +85°C                                                                                                                                                                                                                                                                                       |
| Data transmission (Max. ) | 5G SA Sub-6: 7.01 Gbps (DL) / 1.25 Gbps (UL)<br>LTE: 2 Gbps (DL) / 211 Mbps (UL)                                                                                                                                                                                                                                            |
| Interfaces                | (U)SIM: x2<br>USB: 2.0: x1<br>USB 3.0/3.1: x1<br>PCIe 4.0: x1<br>Antennas: x7 (Sub-6 & GNSS: × 4; mmWave: × 3)                                                                                                                                                                                                              |
| Enhanced features         | DTMF: Dual-tone Multi-frequency<br>DFOTA: Delta Firmware over the Air<br>(U)SIM Card Detection                                                                                                                                                                                                                              |
|                           |                                                                                                                                                                                                                                                                                                                             |
| Certifications            | GCF*/ PTCRB*/ CE*/ Anatel*/ CCC*/ RCM*/ IC*/ FCC*/ JATE*/ TELEC*/ KC*/ NCC*                                                                                                                                                                                                                                                 |
| Carrier                   | T-Mobile*/ Verizon*/ AT&T*/ NTT DOCOMO*/ Deutsche Telekom*/ Telstra*                                                                                                                                                                                                                                                        |
| Others                    | RoHS                                                                                                                                                                                                                                                                                                                        |