

0.00 EUR

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

- Mini-PCIe !
- 5G / LTE !
- Global !
- RG255C-GL !



Quectel RG255C-GL Mini PCIe is a 5G RedCap module adopting standard PCI Express® Mini Card form factor (Mini PCIe). Adopting the 3GPP Rel-17 RedCap technology, the module supports 5G LAN\*/ Slicing/ URLLC, etc., with a theoretical peak data rate of 223 Mbps in the downlink and 123 Mbps in the uplink. The module supports LTE Cat 4 and 5G Sub-6 SA modes , and is backward compatible with 3GPP Rel-15 and Rel-16 networks. The module can meet customers' different application demands for medium speed, large capacity, low latency, high reliability, etc.

RG255C-GL Mini PCIe module supports Qualcomm® IZat™ location technology Gen 9VT (GPS, GLONASS, NavIC, BDS and Galileo). The integrated GNSS receiver greatly simplifies product design and provides quicker, more accurate and more dependable positioning capability.

A rich set of Internet protocols, industry-standard interfaces (USB 2.0, PCM, UART, etc.) and abundant functionalities (USB drivers for Windows 8.1/ 10/ 11, Linux and Android) extend the applicability of the module to a wide range of RedCap applications.

- Worldwide 5G/ 4G coverage
- 5G SA mode, 5G LAN\*/ URLLC/ Slicing supported
- Multi-constellation GNSS receiver available for applications
- requiring fast and accurate fixes in any environment (optional)
- Feature refinements: DFOTA and VoNR/ VoLTE (optional)

|                      |                                                                                                                                                                                                                                                                                |  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Region               | Global                                                                                                                                                                                                                                                                         |  |
| FORM FACTOR          | PCIe / 30.0 × 50.95 × 4.95 /11g weight                                                                                                                                                                                                                                         |  |
| 5G BANDS<br>(Global) | 5G NR: 3GPP Release 17 RedCap SA operation, Sub-6 GHz<br>5G NR SA: n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 30/ 38/ 40/ 41/ 48/ 66/ 70/ 71/ 77/ 78/ 79<br>DL 2x2 MIMO: n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 30/ 38/ 40/ 41/ 48/ 66/ 70/ 71/ 77/ 78/ 79 |  |
| LTE                  | LTE-FDD: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 30/ 66/ 70/ 71<br>LTE-TDD: B34/ 38/ 39/ 40/ 41/ 42/ 43/ 48<br>DL 2 × 2 MIMO: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 30/ 34/ 38/ 39/ 40/ 41/ 42/ 43/ 48/ 66/ 70/ 71               |  |

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|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature     | -30°C - 75°C<br>Extended: -40 ~ +85°C                                                                                                     |
| Data transmission (Max. ) | 5G SA Sub-6: 223 Mbps (DL)/ 123 Mbps (UL)<br>LTE: 195 Mbps (DL)/ 105 Mbps (UL)                                                            |
| Interfaces                | (U)SIM: x1<br>UART: x2<br>USB: 2.0: x1<br>PCM: x1<br>I2C: x1<br>Antennas: Cellular: x2, GNSS: x1                                          |
| Enhanced features         | Digital Audio and VoNR/VoLTE (optional)<br>DTMF: Dual-tone Multi-frequency<br>DFOTA: Delta Firmware over the Air<br>(U)SIM Card Detection |
| Electrical features       | Supply Voltage Range: 3.0–3.6 V, typ. 3.3 V<br>Power Consumption: TBD                                                                     |
| Drivers:                  | Windows 8.1/10/11; Linux 2.6–6.7; Android 4.x–12.x                                                                                        |
| Certifications            | CE/ RCM / FCC/ IC / RoHS                                                                                                                  |