



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

- 5G RedCap !
- M.2 !
- Worldwide 5G/LTE coverage !
- PCIe 2.0 for Wi-Fi/Bluetooth !

Support: [Driver \(Windows\)](#)

RG255C-GL M.2 is a 5G sub-6 GHz M.2 module. Based on 3GPP Rel-17 RedCap technology, with features of 5G LAN*/ URLLC/ Slicing, the module supports a theoretical peak data rate of 223 Mbps downlink and 123 Mbps uplink. The module supports LTE Cat 4 and 5G Sub-6 SA mode, and is backward compatible with Rel-15 and Rel-16 networks. The module can meet customers' different application demands for medium speed, large capacity, low latency, high reliability, etc., and is convenient for customers to design.

RG255C-GL M.2 module supports Qualcomm® IZat™ location technology Gen 9VT (GPS, GLONASS, BDS, Galileo and NavIC). 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, PCIe 2.0, PCM, 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.

PRIMARY TECHNOLOGY	5G (5G RedCap)
Control via AT commands	3GPP TS27.007 and Quectel Enhanced AT Commands
FORM FACTOR	M.2 3042 / 30.0 × 42.0 × 3.25 / 8.4g weight
5G BANDS (Global)	5G 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; LTE-FDD: B1/2/3/4/5/7/8/12/13/14/17/18/19/ 20/25/26/28/30/66/71; LTE-TDD: B34/38/39/40/41/42/43/48
Operating temperature	-30°C - 75°C Extended: -40 ~ +85°C
Data transmission (Max.)	5G: 223 (DL)/123 (UL) LTE: LTE-FDD: 195 (DL)/105 (UL) UMTS (Mbps): - SMS: Support SGS, IMS and NAS SMS Protocols: TCP/UDP/SSL/TLS/FTP (S)/HTTP (S)/MQTT (S)/SMTP (S)/NTP/PING/NITZ/LwM2M protocols
Interfaces	(U)SIM: x2 USB: 2.0 PCIe: PCIe Gen2 × 1 Lane Antenna: Cellular: × 2, GNSS: × 1

Enhanced features	GNSS: GPS/GLONASS/BDS/Galileo/QZSS
Electrical features	3.135 V ~ 4.4 V, typ. 3.7 V - 0.13 mA@Power off , 3 mA@ Sleep, Typical
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	CE, RCM, FCC and IC are reported only; GCF*, PTCRB*, AT&T* and T-Mobile* can reuse RG255C-GL certifi cation result; Verizon* need be delta-tested based on RG255C-GL and certifi ed separately as Variant