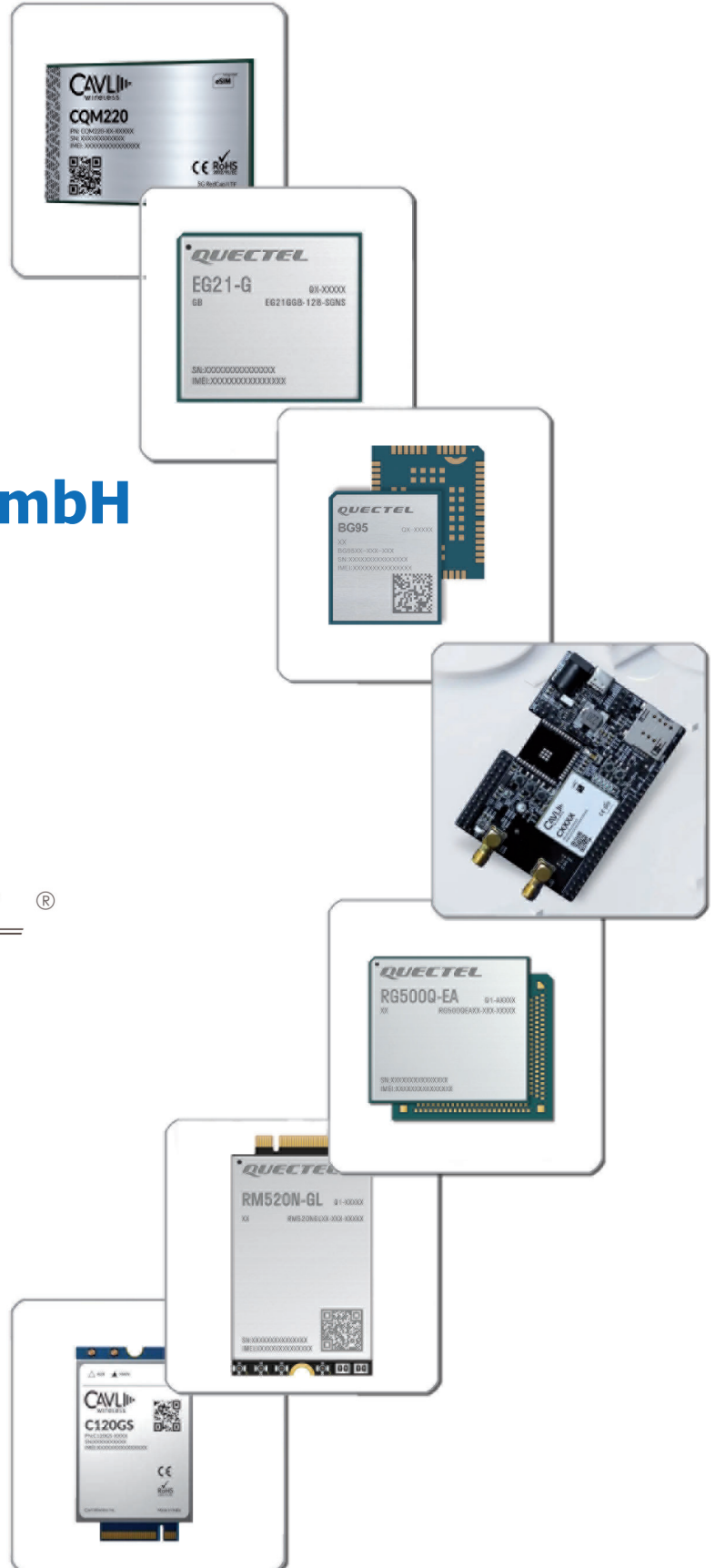


MC Technologies GmbH

Wireless modules

CAVLI
wireless

QUECTEL®
Build a Smarter World



Wireless modules for M2M/IoT and Industry 4.0

Wireless modules for industrial data communication, M2M/IoT and Industry 4.0 - 5G, 4G LTE, 2G EDGE/GPRS, GPS/GNSS, LPWA

MC Technologies has been your partner for over 20 years in the field of mobile radio modules for data communications. Not only do we offer a wide range of products, we also use the modules in our own router, gateway and terminal products.

We are happy to pass this experience on to you, e.g. with design-in support. With us, you have a personal contact who is an expert in the field. On site if necessary.

Evaluation kits allow you to put the various GSM/GPRS modules through their paces in your application. Ask our specialists who can recommend the right development kit for you.

Test facilities, customised stocking concepts and flexible blanket and call-off orders complete our range of services.

As a certified distributor of **Quectel**, a renowned manufacturer of cellular modules and embedded antennas for networking IoT devices, we offer you a wide range of high-quality products.

We also use Quectel modules in our own industrial routers, gateways and data terminals. They meet a wide range of requirements from our customer projects.

Cavli Wireless develops and manufactures industrial-grade cellular IoT smart modules for various applications in smart cities, industrial automation, logistics and transportation, healthcare, security and other industries.

The integrated eSIM function of Cavli modules guarantees customers worldwide very attractive mobile data tariffs and easy subscription management via the Cavli Hubble cloud platform.

Quectel Wireless modules



EC21-E

- LTE Cat 1, 10Mbps (DL), 5Mbps (UL)
- Region: EMEA/Thailand/India
- GNSS multi-constellation
- Supports DFOTA, DTMF
- Supports VoLTE
- 32.0 x 29.0 x 2.4 mm, LCC Form factor

Part no.: LCC (106339), mPCIe (160852)



EG21-G

- LTE Cat 1, 10Mbps (DL), 5Mbps (UL)
- Worldwide LTE, GSM/GPRS coverage
- GNSS multi-constellation
- Supports DFOTA, DTMF
- USB 2.0 high-speed interface
- 29.0 x 32.0 x 2.4 mm, LGA Form factor

Part no.: LGA (162955), mPCIe (160625)



EG912N-EN

- LTE 450 Cat 1, 10Mbps (DL), 5Mbps (UL)
- Region: Europa
- Supports 450MHz
- Supports (DFOTA)
- Very cost-effective
- 29.0 x 25.0 x 2.4 mm, LGA Form factor

Part no.: LGA (193587), mPCIe (193793)



EG915U-EU

- LTE Cat 1, 10Mbps (DL), 5Mbps (UL)
- Multi-Band LTE, GSM/GPRS-Abdeckung
- Supports Analogue audio / FOTA
- Bluetooth optional
- Wi-Fi Scan optional
- 23.6 x 19.9 x 2.4 mm, LGA Formfaktor

Part no.: LGA (163172)



EG800Q-EU

- LTE Cat 1 bis, 10Mbps (DL), 5Mbps (UL)
- Region: Europa
- Supports DFOTA
- Supports Wi-Fi Scan
- Single antenna
- 15.8 x 17.7 x 2.4 mm, LGA Form factor

Part no.: LGA (163697)



EM05-E

- LTE Cat 4, 150Mbps (DL), 50Mbps (UL)
- Region: Europa/Australien/Neuseeland
- MIMO technology
- Supports DFOTA and DTMF
- 30.0 x 42.0 x 2.3 mm, M.2 Form factor

Part no.: M.2 (162520)



EC25-E

- LTE Cat 4, 150Mbps (DL), 50Mbps (UL)
- EMEA/Süd-Korea/Thailand/Indien
- GNSS multi-constellation
- Supports DFOTA and DTMF
- Supports VoLTE (optional)
- 15.8 × 17.7 × 2.4 mm, LCC Form factor

Part no.: LCC (162256), mPCIe (160584), mPCIe SIM (193319)



EG25-G

- LTE Cat 4, 150Mbps (DL), 50Mbps (UL)
- Worldwide LTE, GSM/GPRS coverage
- GNSS multi-constellation
- Supports DFOTA, DTMF and MIMO
- USB 2.0 High-Speed interface
- 29.0 × 32.0 × 2.4 mm, LGA Form factor

Part no.: LGA (162270), mPCIe (162368)



BG95-M1/-M3

- LTE Cat M1/Cat NB2/EGPRS (BG95-M1)
- LTE Cat. M1/NB2, GNSS (BG95-M3)
- Integrated RAM/Flash
- Ultra-low power consumption
- Robust mounting and interfaces
- 23.6 × 19.9 × 2.2 mm, LGA Form factor

Part no.: BG95-M1 (106415), BG95-M3 (163070)



BG95-M4

- LTE Cat M1/Cat NB2/ 450MHz
- GNSS multi-constellation
- Integrated RAM/Flash
- Ultra-low power consumption
- Robust mounting and interfaces
- 23.6 × 19.9 × 2.2 mm, LGA Form factor

Part no.: LGA (193966), mPCIe (162205)



RG255G

- 5G RedCap, 220Mbps (DL), 121Mbps (UL)
- Worldwide 5G/4G coverage
- Multi-Konstellation GNSS-Empfänger
- DFOTA and VoNR, VoLTE (optional)
- PCIe 1.0 interface for Wi-Fi/Bluetooth
- 29.0 × 32.0 × 2.4 mm, LGA Form factor

Demnächst verfügbar!



RM500U-EA

- 5G sub-6GHz, 2.6Gbps (DL)/1Gbps (UL)
- Optimised for IoT/eMBB/URLLC applications
- Worldwide 5G- and LTE-A coverage
- 5G NSA- and SA-Modi support
- DFOTA, VoLTE and VoNR
- 52.0 × 30.0 × 3,75 mm, M.2 Form factor

Part no.: M.2 (193592)



RM500Q-GL

- 5G NR sub-6GHz
- Supports both NSA and SA mode
- SA data rates: 2.1Gbps (DL) / 900Mbps (UL)
- NSA data rates: 2.5Gbps (DL)/600Mbps (UL)
- Worldwide 5G- and LTE-A coverage
- USB 3.1/PCIe 3.0 High-Speed interface
- Multi-Konstellation GNSS-Empfänger
- DFOTA and VoLTE (optional)
- 30.0 × 52.0 × 2.3 mm, M.2 Form factor

Part no.: M.2 (193246)



RM520N-GL

- 5G NR Sub-6GHz, mit USB Schnittstelle
- SA Datenraten: 2.4Gbps (DL) / 900Mbps (UL)
- NSA Datenraten: 3.4Gbps (DL)/550Mbps (UL)
- Worldwide 5G- and LTE-A coverage
- USB 3.1/PCIe 4.0 Super Speed Schnittstelle
- GNSS multi-constellation
- DFOTA und VoLTE (optional)
- 52.0 × 30.0 × 2.3 mm, M.2 Form factor

Part no.: M.2 (193937)



RG620T-EU

- Industrial-grade sub-6GHz-5G module
- 7.01Gbps (DL) / 2.5Gbps (UL)
- Optimised for IoT and eMBB applications
- Multimode network coverage, compatible with 4G network (Cat 19)
- Transmission mode 9 (TM9) supported
- GNSS multi-constellation
- 44.0 × 53.0 × 2.95 mm, LGA Form factor

Part no.: LGA (193938)



RM530N-GL

- Sub-6GHz & mmWave 5G
- 4.0Gbps (DL) / 1.4Gbps (UL)
- Worldwide 5G- and LTE-A coverage
- Supports both NSA and SA mode
- USB 3.1/PCIe 3.0 Super Speed interface
- GNSS multi-constellation
- DFOTA and VoLTE (optional)
- 52.0 × 30.0 × 2.3 mm, M.2 Form factor

Part no.: M.2 (163681)



C10QM

- LTE Cat 1, 10Mbps (DL), 5Mbps (UL)
- Applicable areas: APAC, EMEA, NA
- GNSS support
- Integrated eSIM
- OS Yocto Linux (Kernel 4.14)
- 256 MB RAM / 256/512 MB Flash
- 37 x 21.8 x 2.8 mm, LGA Form factor

Part no.: LGA (193652), LGA Global (193651), mPCIe (193664)



C10GS

- LTE Cat 1, 10Mbps (DL), 5Mbps (UL)
- LTE Cat 4, 150Mbps (DL), 50Mbps (UL)
- Applicable areas: Global
- GNSS support
- Integrated eSIM
- OS Linux
- 37 x 21.8 x 2.8 mm, LGA Form factor

Part no.: LGA Cat. 1 (193880)



C16QS

- LTE Cat1 bis, 10Mbps (DL), 5Mbps (UL)
- Applicable areas: APAC, EMEA, N.A., S.A, AUS ,NZ und Global
- GNSS support
- Integrated eSIM
- OS FreeRTOS
- Energy saving mode
- 26.5 x 22.5 x 2.3 mm, LGA Form factor

Part no.: LGA (193650), LGA Global (193837), mPCIe (193837)



C17QS

- LTE Cat1 bis, 10Mbps (DL), 5Mbps (UL)
- Applicable areas: Global
- Integrated iSIM
- OS FreeRTOS
- Energy saving mode
- Low power consumption
- Flash: 8MB, RAM: 2MB
- 26.5 x 22.5 x 2.3 mm, LGA Form factor

Part no.: LGA (200004)



C20QM

- LTE Cat 4, 150Mbps (DL), 50Mbps (UL)
- Applicable areas: APAC, EMEA, NA
- GNSS support
- Integrated eSIM
- OS Yocto Linux (Kernel 4.14)
- 256/512 MB RAM / 256/512 MB Flash
- 37 x 21.8 x 2.8 mm, LGA Form factor

Part no.: LGA (193675), LGA Global (193824), mPCIe (193676)



CQS290

- LTE Cat 4, 150Mbps (DL), 50Mbps (UL)
- Applicable areas: APAC, EMEA, NA
- GNSS support
- Integrated eSIM
- Android 12 + Service packages
- ARM Cortex-A53 64-bit Processor
- 16/64 GB eMMC / RAM 2/3 GB LPDDR4X
- 40.4 x 35.4 x 2.7 mm, LGA Form factor

Part no.: LGA (193821), mPCIe (193822)



C42GM

- LTE Cat-M1/NB-IoT
- LTE M1: 119Kbps (UL), 588Kbps (DL)
- Applicable areas: Global
- GNSS support, CAN Bus support
- Integrated eSIM
- Low power consumption
- OS YoZephyr RTOS
- 26.5 x 22.5 x 2.3 mm, LGA Form factor

Part no.: LGA (193656)



C41QS

- LTE Cat NB2
- DL 127 Kbps & UL 158.5Kbps
- Applicable areas: Global
- GNSS support
- Integrated eSIM
- Extrem low power consumption
- OS Free RTOS
- 17.7 x 15.8 x 2.0 mm, LGA Form factor

Part no.: LGA (193657)



C120GS

- LTE Cat 6: 300Mbps (DL), 50Mbps (UL)
- Applicable areas: APAC, EMEA
- Integrated eSIM
- OS Linux (Kernel 3.1x / 5.1x)
- 42 x 30 x 2.6 mm, M.2(Key-B) Form factor

Part no.: M2 (193655)



CQM220

- 5G RedCap, 226Mbps (DL), 121Mbps (UL)
- LTE Fallback
- Integrated GNSS support
- Integrated eSIM
- Open SDK support
- Arm Cortex A7 up to 1.7Ghz
- 256MB RAM, 256MB ROM
- 37 x 21.8 x 2.8 mm, LGA Form factor

Part no.: LGA (193660), M2 (193962), mPCIe (193662)

EVAL-Kits on request.