



349.00 EUR

incl. 19% VAT, plus shipping

- **5G !**
- **up to 4,9Gbit !**

**Support:**  [Specifications](#) |  [AT Command Guide](#)

Optimized 5G NR performance for applications requiring Gibabit speed, the EM9291 module is part of the EM Series offering global 5G connectivity. Designed in an M.2 form factor, the EM9291 is compatible with our EM9191 module for a simple upgrade path to get the latest standards compliance and bands, as well as the EM7690 module to help facilitate the migration and differentiation between 4G LTE and 5G.

This 5G NR Sub-6 GHz embedded module delivers up to 4.9Gbps downlink speed and 660Mbps uplink speed. With automatic 4G and 3G fallback networks and integrated GNSS receiver (GPS, GLONASS, BeiDou, and Galileo satellite systems supported), the EM9291 is applicable to a wide range of IoT applications such as industrial routers, home gateways, industrial and consumer laptops, rugged tablet PCs, video surveillance and digital signage.

- Certified by the FCC for CBRS private networks to provide reliability, security, flexibility, and cost savings
- Worldwide coverage on a single module with industry and mobile network certifications to get you to market faster
- Embedded SIM to simplify and add flexibility to IoT deployments. Carrier profile, M2M eUICC, and consumer eUICC are available based on customer use case
- GNSS receiver enables tracking and location-based services with dual L1 and L5 bands for increased accuracy
- Dual SIM single standby (DSSS) switches between networks quickly to stay connected

- Prevent unauthorized code on the target to keep your connectivity secure
- Tested for harsh environments and extreme temperatures

## 5G NR

### Frequency Bands

## 5G NR Sub-6

n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n70, n71, n75, n76, n77, n78, n79

## 4G LTE

### Frequency Bands

## CAT-20

B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B18, B19, B20, B21, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71

## DATA SPEED

4.9 Gbps Down / 660 Mbps Upload Peak

## LOCATION SERVICES

Galileo, Glonass, GPS, Beidou (Bands: L1 and L5)

## EMBEDDED SOFTWARE

Firmware: Secure boot, Pre-certified firmware

## System Drivers

Windows® 10, Linux, Android RIL

## INTERFACES

USB 3.1 / PCIe generation 3 (or 2), 1 lane

## DIMENSIONS

30x52x2.38mm

## TEMPERATURE

-30°C / +70°C, -40°C / +85°C

## APPROVALS

### Carrier

AT&T (FirstNet), NTT Docomo, Softbank, T-Mobile, Telstra, Verizon

### Regulatory

FCC, GCF, IC, PTCRB, EU RED, JATE/Telec

### Embedded SIM

Onboard eUICC (optional)