

489.00 EUR

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

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



Support: [Drivers](#)

Ideal for industrial M2M and mobile computing solutions, the Sierra Wireless™ EM9191 embedded module delivers more than 4.5 Gbps downlink and 660 Mbps uplink high speed connectivity. The EM9191 offers the latest available air link technology supporting 5G NR Sub 6 GHz. The EM9191 supports 30 worldwide 5G and LTE bands and is ideal for global deployment with approvals from multiple NAM, EMEA, and APAC carriers. Supporting USB 3.1 and PCIe gen 3 single lane host interfaces, the EM9191 offers an easy upgrade path from LTE to 5G NR.

With automatic 4G and 3G fallback networks and integrated GNSS receiver (GPS, GLONASS, BeiDou, and Galileo satellite systems supported), the EM9191 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	5G NR Sub-6
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Frequency Bands	n1, n2, n3, n5, n7, n8, n12, n20, n25, n28, n38, n40, n41, n48, n66, n71, n77, n78, n79
4G LTE	CAT-20
Frequency Bands	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	4.5 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, T-Mobile, Verizon (Planned Carrier: Telstra)
Regulatory	FCC, GCF, IC, PTCRB, EU RED, JATE/Telec
Embedded SIM	Onboard eUICC (Planned)