



59.95 EUR

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

- Full-size M.2 !
- LTE Cat-6 !
- VoLTE !
- Extended temperature range !

The EM06 is a series of LTE-A Cat 6 IoT modules in an M.2 form factor measuring 42.0mm × 30.0mm × 2.3mm, which meets the 3GPP Release 11 standard. The EM06 delivers maximum downlink rates of 300Mbps and uplink rates of 50Mbps under LTE, and multiple-input multiple-output (MIMO) technology meets demands for data rate and link reliability. The module also supports Qualcomm® IZat™ location technology Gen8C Lite (GPS, GLONASS, BeiDou/Compass, Galileo and QZSS), and the optional multi-constellation GNSS receiver greatly simplifies product design, and provides quicker, more accurate and dependable positioning. The series consists of three variants to meet various geographical demands, which can be compared via the table above.

A wide range of internet protocols, industry-standard interfaces and functionalities (such as USB serial drivers for Windows 7/8/8.1/10, Linux, and Android) allow the module to serve a wide range of IoT applications including industrial routers, home gateways, set top boxes, industrial laptops, consumer laptops, industrial PDAs, rugged tablet PCs, video transmission, and digital signage.

|                    |                                                                                                                                                                                                                                                                             |  |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Region             | Europe<br>South America<br>Australia<br>Africa<br>APAC                                                                                                                                                                                                                      |  |
| Chipset            | Qualcomm MDM 9240                                                                                                                                                                                                                                                           |  |
| PRIMARY TECHNOLOGY | LTE - cat 6 (300 Mbps Downlaod / 50 Mbps Upload) / 3G Fallback                                                                                                                                                                                                              |  |
| FORM FACTOR        | M.2 3042 / 42.0 × 30.0 × 2.3                                                                                                                                                                                                                                                |  |
| Bands<br>(Global)  | LTE: B1 (FDD 2100); B3 (FDD 1800); B5 (FDD 850); B7 (FDD 2600); B8 (FDD 900); B20 (FDD 800DD); B28 (FDD 700); B32 (SDL 1500); B38 (TDD 2600); B40 (TDD 2300); B41 (TDD 2500)<br>UMTS: B1 (2100); B3 (1800); B5 (850); B8 (900)<br>GNSS: QZSS; GPS; GLONASS; Galileo; BeiDou |  |

|                       |                                                          |
|-----------------------|----------------------------------------------------------|
| Operating temperature | Extended: -40 ~ +85°C                                    |
| Data Interface        | USB 2.0<br>PCM<br>I2C                                    |
| Interfaces            | Antenna Connectors: IPEX MHF-4                           |
| Driver Support        | Windows 10 Linux Android Windows 8.1 Windows 8 Windows 7 |
| Certifications        | CE RED GCF RoHS REACH RCM NCC KC ICASA                   |
| SIM Interface         | Through M.2 Connector                                    |