



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

- M.2 !
- 4G / LTE !
- EM7455 !

Reliable 4G LTE Cat-6 M2M connectivity with 3G fallback for the Americas and EMEA The EM7455 module is part of the EM Series offering unprecedented LTE speeds, bandwidth, and network performance on the M.2 form factor commonly used in networking equipment.

This LTE-Advanced Cat-6 embedded module delivers up to 300 Mbps download speed and supports most 4G LTE bands in the market providing coverage for the Americas and EMEA on a single SKU. With automatic fallback to 3G networks and integrated GNSS receiver (GPS, GLONASS, Beidou, and Galileo satellite systems supported), the EM7455 is ideal for networking and telematics applications.

Coupled with the most operator certifications in the industry and network switching capability, EM7455 (EM7430 for APAC) allows customers to change their network provider anytime, providing more flexibility in manufacturing.

- Dual SIM single standby (DSSS) switches between networks quickly to stay connected
- Switch networks anytime with up to three different certified firmware variants on board
- FREE firmware over-the-air (FOTA) upgrades future-proof deployments and keep them secure
- GNSS receiver enables tracking and location-based services
- Embedded stack to easily communicate over the internet
- Basic and Extended AT Commands simplify development
- Tested for harsh environments and extreme temperatures

|                          |                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------|
| <b>4G LTE</b>            |                                                                                           |
| Category                 | Cat-6                                                                                     |
| Frequency Bands          | B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41                        |
|                          |                                                                                           |
| <b>3G</b>                |                                                                                           |
| HSPA+                    | B1, B2, B3, B4, B5, B8                                                                    |
|                          |                                                                                           |
| <b>DATA SPEED</b>        |                                                                                           |
| Peak Download Rate       | 300Mbps                                                                                   |
| Peak Upload Rate         | 50Mbps                                                                                    |
|                          |                                                                                           |
| <b>LOCATION SERVICES</b> |                                                                                           |
| Satellite Systems        | Galileo, Glonass, GPS, BeiDou                                                             |
|                          |                                                                                           |
|                          |                                                                                           |
| <b>EMBEDDED SOFTWARE</b> |                                                                                           |
| System Drivers           | Windows® 7, Windows® 8.1, Windows® 10, Linux Driver: Standard ECM, Android RIL            |
|                          |                                                                                           |
| <b>INTERFACES</b>        |                                                                                           |
| USB                      | USB 3.0, USB 2.0 High Speed                                                               |
| SIM interface 1.8V/3V    | 2                                                                                         |
|                          |                                                                                           |
| <b>CONTROL OPTIONS</b>   |                                                                                           |
| Commands                 | APIs, AT Commands                                                                         |
|                          |                                                                                           |
| <b>HARDWARE</b>          |                                                                                           |
| Dimensions               | 42x30x2.3mm                                                                               |
| Antenna                  | Diversity, MIMO, GNSS Bias, Connectors: Main, Aux/GNSS, GNSS                              |
| Temperature Range        | Industrial Grade: -40°C / +85°C                                                           |
|                          |                                                                                           |
| <b>APPROVALS</b>         |                                                                                           |
| Carrier                  | AT&T, Bell, Rogers, SouthernLINC, Sprint, T-Mobile, Telus, Verizon, Vodafone, US Cellular |
| Regulatory               | Anatel, FCC, GCF, IC, NCC, PTCRB                                                          |