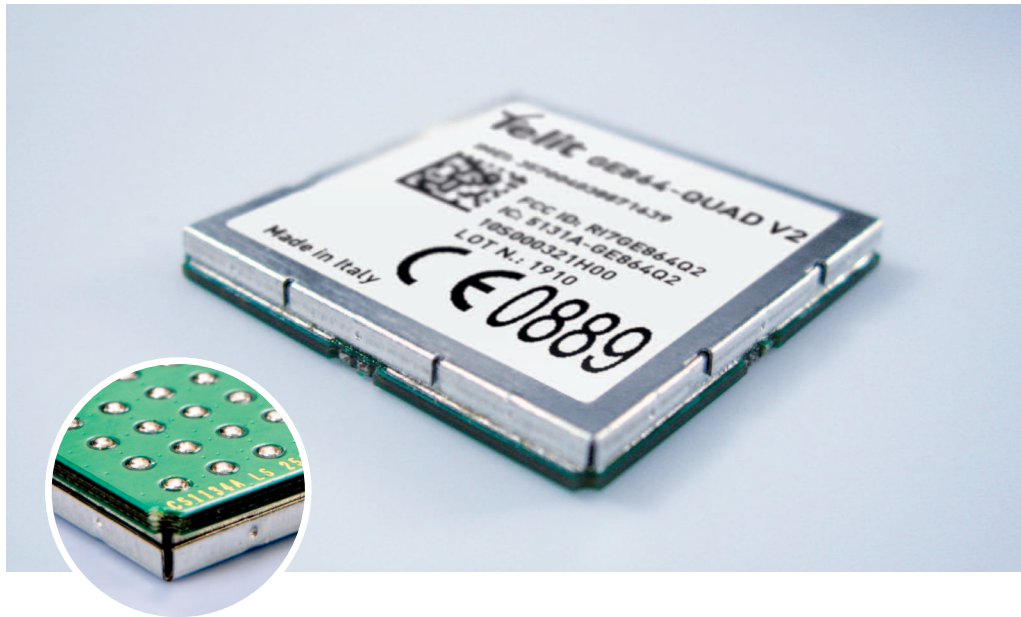


# GSM | GPRS

## GE864-QUAD V2 Embedded



- Ultra Compact
- Telit Unified AT Command Set
- RUN AT Commands Remotely
- BGA Package
- Quad Band GPRS
- GPRS Class 10
- RoHS Compliant
- SIM Access Profile
- PYTHON\* Script Interpreter
- Embedded FTP and SMTP Client
- Extended Temperature Range
- Extended RF Sensitivity
- Serial Port Multiplexer (3GPP 27.010)
- Embedded TCP/IP Stack

**TELIT INFINITA SERVICES**

Premium FOTA Management

The V2 family is the new generation of Telit modules which offers most of the features of the previous versions plus a GSM/GPRS protocol stack 3GPP Release 4, the Downlink Advance Receiver Performance [DARP] feature for Single Antenna Interference Cancellation (SAIC), the Enhanced Measurement Report, GERAN Feature package 1, which assists in supporting the Extended Uplink TBF and Network Assisted Cell Change (NACC), the control via remote AT Commands and Event Monitor.

The new GE864-QUAD V2 product introduces the smallest GSM/GPRS Ball-Grid-Array (BGA) modules in the market. The low profile and small size of the unique BGA package of the GE864-QUAD V2 enables the design of very compact applications. Since connectors are eliminated, the solution cost is significantly reduced compared to conventional mounting.

With its ultra-compact design and extended temperature range, the Telit GE864 product line is the perfect platform for high-volume m2m applications and mobile data devices. Additional features such as integrated TCP/IP protocol stack and serial multiplexer extend functionality of the application at no additional cost.

The GE864-QUAD V2 makes it possible to run the customer's application inside the module, thus making it the smallest, complete platform for m2m solutions.

All Telit modules, support Over-the-Air firmware update by means Premium FOTA Management. By embedding RedBend's vCurrent<sup>®</sup> agent, a proven and battle-tested technology powering hundreds of millions of cellular handsets world-wide Telit is able to update its products by transmitting only a delta file, which represents the difference between one firmware version and another.

As a part of Telit's corporate policy of environmental protection, all products comply to the RoHS (Restriction of Hazardous Substances) directive of the European Union (EU Directive 2002/95/EG).

### Product features

- Quad-band EGSM 850 / 900 / 1800 / 1900 MHz
- GSM/GPRS protocol stack 3GPP Release 4 compliant
- Output power
  - Class 4 (2W) @ 850 / 900 MHz
  - Class 1 (1W) @ 1800 / 1900 MHz
- Control via AT commands according to 3GPP TS 27.005, 27.007 and Telit custom AT commands
- Serial port multiplexer 3GPP TS 27.010
- SIM access profile
- SIM application toolkit 3GPP TS 51.014
- Power consumption (typical values)
  - Power off: < 62 uA
  - Idle (registered, power saving): 1.5 mA @ DRX=9
  - Dedicated mode: < 240 mA @ max power level
  - GPRS cl.10: < 420 mA @ max power level
- Supply voltage range: 3.22-4.5 V DC (3.8 V DC recommended)
- TCP/IP stack access via AT commands
- Sensitivity:
  - 107 dBm (typ.) @ 850 / 900 MHz
  - 106 dBm (typ.) @ 1800 / 1900 MHz
- Dimensions: 30 x 30 x 2.8 mm
- Weight: 6 grams
- Extended temperature range
  - 40°C to +85°C [operational]
  - 40°C to +85°C [storage temperature]
- RoHS compliant
- DARP/SAIC support

**Making machines talk.<sup>®</sup>**

