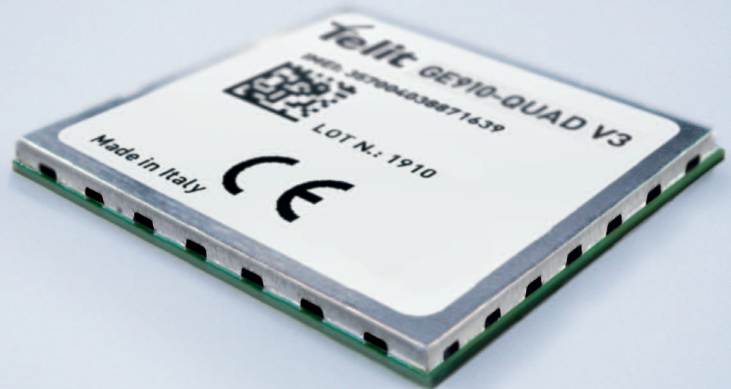















GSM | GPRS

## GE910-QUAD V3

Embedded



	Ultra Compact
	Telit Unified AT Command Set
	RUN AT Commands Remotely
	LGA Package
	Quad Band GPRS
	GPRS Class 10
	RoHS Compliant
	SIM Access Profile
	PYTHON* Script Interpreter
	Embedded FTP and SMTP Client
	Extended Temperature Range -40° to +85° C
	Extended RF Sensitivity
	Serial Port Multiplexer (3GPP 27.010)
	Embedded TCP/IP Stack



TELIT INFINITA SERVICES



The GE910-QUAD V3 is a quad-band 850/900/1800/1900MHz GSM/GPRS wireless module designed for the global market of applications in 2G technology, delivering GPRS class-10, 3GPP Release 4 compliant data communications capabilities. It is a member of the xE910 family featuring complete pin-to-pin compatibility with companion products in GSM/GPRS, UMTS/HSPA, HSPA+, CDMA 1xRTT, EV-DO and LTE.

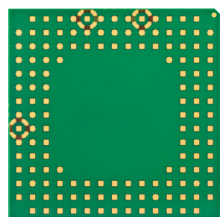
The GE910-QUAD V3 brings the Telit xE910 form factor family a cost optimized, long-term available 2G variant enabling integrators and developers to design applications once and take advantage of the truly global coverage and service flexibility afforded by the broad set of companion products in all the most prevalent cellular technologies worldwide.

The GE910-QUAD V3 enables reliable, secure, and cost-effective GSM/GPRS cellular connectivity based on latest 2G chipset technology. It is equipped with two UART interfaces and ten 1.8V I/O ports making it an ideal platform for applications on GSM/GPRS networks anywhere, such as telemetry, telematics, automated meter reading, POS terminals, security usage based insurance, m-health, security alarm panels, and other low-speed friendly application areas. Additional features such as integrated Python Script Language interpreter, TCP/IP and UDP/IP stack provide extended functionality, adding value to the customer application without adding cost.

The GE910-QUAD V3 is voice-capable supporting both analog and digital (DVI) interfaces. It is also offered with an optional factory-mounted SIM chip from Telit m2mAIR which provides additional remote diagnostics and control functionalities for the deployed application while eliminating the need for an external SIM card holder, generating additional BOM cost savings.

## GE910-QUAD V3

Embedded



actual size

**Product features**

- Supported bands  
4 Bands GSM/GPRS:  
850/900/1800/1900 MHz
- Quad Band GPRS class 10
- Small dimensions 28.2 x 28.2 x 2.25 mm
- Weight: 3.6 grams
- Extended temperature range
- Embedded SIM chip option
- SIM Access Profile
- 3GPP release 4 compliant
- Control via AT commands according to 3GPP TS27.005, 27.007 and customized Telit AT commands
- Serial port multiplexer 3GPP TS27.010
- SIM application Tool Kits 3GPP TS 51.014
- Built in UDP/TCP/FTP/SMTP stack

**Interfaces**

- 10 I/O ports maximum including multifunctional I/Os
- Analog and digital audio
- 2 UART
- 1.8 V / 3 V SIM interface

**Circuit switched data transmission**

- Asynchronous non-transparent CSD up to 9.6 kbps
- V.110

**GPRS data**

- GPRS class 10
- Mobile station class B
- Coding scheme 1 to 4
- PBCCH support
- GERAN Feature Package 1 support (NACC, Extended TBF)

**Electrical**

- Output power
  - Class 4 (2 W, 33 dBm) @ GSM 850 / 900
  - Class 1 (1 W, 30 dBm) @ GSM 1800 / 1900
- Sensitivity
  - -107 dBm @ GSM 850 / 900 MHz
  - -107 dBm @ DCS1800 / PCS1900 MHz
- Supply voltage
  - Nominal: 3.8 VDC
  - Range: 3.2 - 4.5 VDC

**Additional features**

- Voice and SMS
- IP stack with TCP and UDP protocol
- Standard and extended AT command set
- Jammer rejection

**Approvals**

- RoHS Compliant
- CE, GCF (Europe)
- FCC, PTCRB, IC (North America)

**Python\* application resources**

- Python\* script interpreter (module takes the application code directly in the Python\* language)
- Memory: 800 kB of NV memory for the user scripts and 1 MB RAM for the Python\* engine usage

**Order No.**

Please contact your Telit representative for order codes and all further information

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