

GSM | GPRS

GE863-QUAD

Embedded

GE863-PY

Embedded



0101 0101	Telit Unified AT Command Set
	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 (GSM 7.10)
	Embedded TCP/IP Stack



TELIT INFINITA SERVICES



The GE863-QUAD module is now boasting quad-band functionality and RoHS compliance and additional new features. This translates into one consistent product offering for global GSM networks and provides for significant cost advantages with the savings in approvals and logistics costs.

The unique Ball-Grid-Array (BGA) package enables a low profile and small resulting product size for the design of compact applications. Since connectors are eliminated, the solution cost is significantly reduced compared to conventional mounting. With its low profile design and extended temperature range, the Telit GE863-QUAD is the perfect platform for compact, medium to high volume m2m applications. Additional features such as jamming detection, integrated TCP/IP protocol stack, and Easy Scan® functionality enhance the application at no additional cost.

The GE863-PY makes it possible to run the customer's application inside the module, thus making it a complete platform for m2m solutions. State-of-the-art SPI and IIC interfaces provide connectivity for external peripherals such as sensors and displays.

All Telit modules, support Over-the-Air firmware update by means Premium FOTA Management. By embedding RedBend's vCurrent® 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
- Output power
 - Class 4 (2W) @ 850 / 900 MHz
 - Class 1 (1W) @ 1800 / 1900 MHz
- Control via AT commands according to GSM 07.05, 07.07 and Telit enhancements
- Supply voltage range: 3.22-4.5 V DC (3.8 V DC recommended)
- Power consumption (typical values)
 - Power off: < 26 uA
 - Idle (registered, power saving): 2.6 mA
 - Dedicated mode: 200 mA
 - GPRS cl.10: 370 mA
- Serial port multiplexer GSM 7.10
- SIM access profile
- Sensitivity:
 - 107 dBm (typ.) @ 850 / 900 MHz
 - 106 dBm (typ.) @ 1800 / 1900 MHz
- Dimensions: 41.4 x 31.4 x 3.6 mm
- Weight: 9 grams
- Extended temperature range
 - 40°C to +85°C (operational)
 - 40°C to +85°C (storage temperature)
- RoHS compliant
- TCP/IP stack access via AT commands

