

GSM | GPRS

GT864-QUAD Terminal

GT864-PY Terminal



- Telit Unified AT Command Set
- 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
- 5-36 V DC Supply



TELIT INFINITA SERVICES



The new GT864 terminal is a complete enclosed modem solution for wireless m2m applications based on the quad-band and RoHS compliant GE864 core engine with integrated SIM holder as well as additional features.

The GT864 is capable of communicating through all traditional data services provided by GSM/GPRS networks. Offering extended operating temperature, integrated TCP/IP stack, direct control by standard serial RS-232 interface, and with a broad supply voltage range (5–36 V DC), the GT864 terminal is a complete stand alone solution for m2m applications.

The Telit GT864-QUAD model has analog audio I/Os at the mini USB connector supporting connectivity for a headset, while the Telit GT864-PY model has, on the same connector, a set of general purpose inputs.

The GT864-PY offers the possibility of running the customer's application inside the module, thus making this terminal a complete platform for m2m solutions.

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
- Serial port multiplexer GSM 7.10
- SIM access profile
- Supply voltage range: 5-36 V DC
- TCP/IP stack access via AT commands
- Sensitivity:
 - 107 dBm (typ.) @ 850 / 900 MHz
 - 106 dBm (typ.) @ 1800 / 1900 MHz
- Dimensions: 77 x 67 x 26 mm
- Weight: 90 grams
- Temperature range
 - 30°C to +75°C (Operational)
 - 40°C to +85°C (Storage temperature)
- RoHS compliant

GT864-QUAD

Terminal

GT864-PY

Terminal



Front

**Interfaces**

- Sub-D 9-pin RS-232 connector
- Power: 5 to 36 V / DC (RJ11)
- Antenna: 50 Ohm (FME male)
- SIM card holder: 1.8V/3V interface
- Analog audio (GT864-QUAD only)
- 4 general purpose inputs (GT864-PY only)

Audio

- Telephony, emergency call
- Half rate, full rate, enhanced full rate and adaptive multi rate voice codecs (HR, FR, EFR, AMR)
- Superior echo cancellation & noise reduction
- DTMF

Approvals

- Fully type approved conforming with R&TTE directive
- CE

SMS

- Point-to-point mobile originated and mobile terminated SMS
- Concatenated SMS supported
- SMS cell broadcast
- Text and PDU mode

Circuit switched data transmission

- Asynchronous transparent circuit switched data (CSD) up to 14.4 kbps
- 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

Fax

- Group 3, class 1

GSM supplementary

- Call forwarding
- Call barring
- Call waiting & call hold
- Advice of charge
- Calling line identification presentation (CLIP)
- Calling line identification restriction (CLIR)
- Unstructured supplementary services mobile originated data (USSD)
- Closed user group

Additional features

- SIM phonebook
- Fixed dialing number (FDN)
- Real-time clock
- Network LED support
- IRA character set
- Jamming detection & report
- Embedded TCP/IP stack, including TCP, IP, UDP, SMTP and FTP protocols
- TFMS (Telit Firmware Management Services) Over-the-Air update

Python* application resources (GT864-PY ONLY)

- Python* script interpreter (module takes the application code directly in the Python* language)
- Memory: 1.9 MB of NV memory for the user scripts and 1.2 MB RAM for the Python* engine usage
- Over-the-air application SW update

**Telit's EASY features**

- EASY SCAN® automatic scan over GSM frequencies (with or without SIM card)

Other features

- 3x LED for status indication
- 1 A/D converter (GT864-PY only)

Order-No.

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



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