GT864 Quad

Quad Band GSM terminal for embedded M2M applications

GT864 QUAD Terminal is a self-contained unit featuring the latest GSM/GPRS technology from Telit.

As a quad-band GSM terminal operating in all defined GSM frequency bands, it can be deployed on a worldwide basis.

GT864 QUAD Terminal is an excellent product for system integrators whose focus is on application development using a ready to start modem with standard connectors.

With additionally the support of audio functionality, System Integrators can address a wide range of standard applications, including adding wireless connectivity to vending machines, smart meters, medical devices, and many more.

Key Benefits

- Common support for RS232 based access to terminal functionality
- Support for analogue audio
- Wide operating temperature range
- e1 automotive certification
- Firmware Update over the Air (FOTA)

Key Features

- Quad band GSM terminal
- Telit AT command set
- RS232 interface
- Audio interface

Sample applications

- Wireless interface for POS terminals with Audio support
- Smart metering applications

GSM / GPRS

- GSM / GPRS Frequency Band: Quad Band (850 / 900 / 1800 / 1900 MHz)
- GPRS Support: 3GPP Rel-4 compliant
- GERAN Feature Package 1 support (NACC, Extended TBF)
- GPRS Class: Class 10
- Output power: Class 4 (2W) for GSM900
- Output power: Class 1 (1W) for GSM1800
- Coding schemes CS 1-4
- Mobile station class B
- PBCCH support

Mobile Network Features

- CSD: 9.6 kbps V.110
- SIM Access Profile
- USSD
- SIM Application Toolkit: 3GPP TS 51.014

SMS Features

- PTP MO / MT SMS
- Concatenated SMS
- SMS cell broadcast
- Text and PDU mode
- SMS over GPRS

Software

- AT Command Support: TS 27.005, 27.007 and Telit custom AT
- Firmware Update: FOTA
- Remote AT commands
- SIM Phonebook
- Fixed dialing number (FDNI)

Voice

- Analog audio (balanced)
- FR, HR, EFR and AMR speech codec support
- Digital Voice Interface
- Telephony, emergency call
- Superior echo cancellation & noise reduction
- Multiple audio profiles pre-programmed and fully configurable by mean AT commands
- DTMF
- Call forwarding, Call barring, Call waiting & call hold
- Advice of charge
- CLIP, CLIR
- Closed user group

TCP/IP Stack

- TCP/IP stack access via AT commands
- Embedded TCP/IP stack, including TCP, IP, UDP, SMTP, ICMP and FTP protocols

Special features

- Alarm management
- DARP/SAIC support
- Easy Scan
- Event monitor
- IRA, GSM, 8859-1 and UCS2 character set
- Jamming detection
- Real-time clock
- Enhanced Measurement Report support

Interfaces

- RS232 Interface: D-Sub (9-pin)
- Antenna: FME
- Audio (analogue): Mini-USB
- Robust 1,8/3 Volt SIM Card Holder
- LEDs: 1 GSM + 2 Configurable

Electrical Characteristics

- Voltage Range: 5V - 36V
- Standby (@ 12V): ~ 18 mA (*)

Hardware Characteristics

- Operating Temperature: -30°C to +75°C
- Size: 77x66x26 mm
- Weight: 80g

Certificates

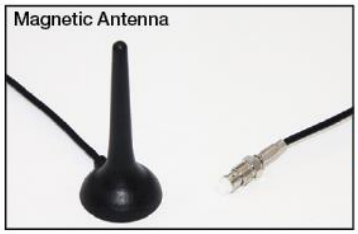
- CE, e1, FCC

Optional Features

We can develop customized terminals according to your specialized requirements. Please contact your local sales representative or our headquarters to discuss your requirements.

(*) Measurement (including peaks) averaged over a 1 min interval.

Accessories (exemplary)



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Product specifications are subject to change without prior notification.

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