

GT864 E

Entry level dual band GSM terminal for standard M2M applications

The GT864 E is a self-contained terminal featuring the latest technology from Telit.

As a dual-mode GSM terminal operating in the 900 and 1800 MHz frequency bands, it can be deployed in all of Europe as well as a wide range of additional countries where both frequencies are available from network operators.

GT864 E is targeted towards System Integrators developing M2M applications where cost optimization is a key selection criterion. With 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

- Attractive pricing level
- Standard support for RS232 based access to terminal functionality
- Support for analogue audio

Key Features

- Dual band GSM terminal
- Telit AT command set
- RS232 Interface
- Audio support
- Ultra-low power consumption mode

Sample applications

- Wireless interface for POS terminals with Audio support
- Remote monitoring of rechargeable battery powered devices



GSM / GPRS

- GSM / GPRS Frequency Band: Dual Band (900 / 1800 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

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

Voice

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

TCP/IP Stack

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

Accessories (exemplary)



Special features

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

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)

Interfaces

- RS232 Interface: D-Sub (9-pin)
- Antenna: FME
- Audio (analogue): Mini-USB
- RJ11: Power
- Robust 1,8/3 Volt SIM Card Holder
- LEDs: 1 GSM + 2 Configurable

Electrical Characteristics

- Voltage Range: 5V - 32V
- Standby (@ 12V): < 20 mA (*)
- Low Power Mode (@ 12V): < 3 mA (*)

Hardware Characteristics

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

Certificates

- CE

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.