

# GT864 Quad

## Quad Band GSM terminal for embedded M2M applications

The GT864 Quad terminal is a self-contained wireless industrial modem featuring field-proven GSM/GPRS technology from Telit. It can be deployed on a worldwide basis as it supports all defined GSM frequency bands.

The GT864 QUAD terminal is an excellent ready-to-use product for system integrators who need to quickly integrate a wireless communication link into their M2M / IoT applications using standard industrial hardware interfaces.

By supporting audio functionality and by providing automotive e1 compliance, system integrators can address a wide range of standard applications, including adding wireless connectivity to vending machines, metering and medical devices, vehicular applications and many more.

### Key Benefits

- Common support for RS232 based access to terminal functionality
- e1 automotive certification
- Support for analogue audio
- Wide operating temperature range
- 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 vending machines and POS terminals with Audio support
- Smart metering applications
- Automotive applications



## Wireless Features

- Module Name: GL865 Dual V3
- GSM/GPRS Frequency Bands: 900 / 1800 MHz
- GPRS Class: Class 10
- GPRS Features: Mobile station class B
- Coding scheme 1 to 4
- PBCCH Support
- NACC, Extended TBF
- Output Power: Class 4 (2W) @ 900 MHz
- Class 1 (1W) @ 1800 MHz
- CSD: Asynchronous non-transparent, up to 9.6 kbps, V.110
- USSD
- SMS: Text and PDU mode, Cell Broadcast, Concatenated SMS, SMS over GPRS
- Additional Wireless Features: DARP/SAIC Support
- Speech Codecs: FR, HR, EFR and AMR
- Additional Audio Features: Embedded DTMF Decoder
- Audio Profiles
- Fixed Dialing Number
- Echo cancellation & noise reduction
- Fax Service: Fax Class 1

## Hardware Features

- IP Protection: IP40
- SIM Card Holder: 1x (1,8/3 Volt)
- SIM Chip Option: Yes
- LEDs: 1x GSM
- Realtime Clock: With alarm functionality
- Type Approvals: CE

**Optional Features:** Please contact us to discuss the development of customized terminals per your requirements.

## Software

- AT Command Set: Hayes Compliant, TS 27.005, 27.007 and Telit custom AT
- Firmware Update: Serial + FOTA
- SIM Application Toolkit: ?
- TCP/IP Stack: TCP, UDP, ICMP, HTTP, DNS, FTP, SSL, SMTP
- Cellular Positioning
- Jamming Detection

## Connectors

- D-Sub (9-pin): 1x Female (RS232)
- USB: Mini-USB (Audio)
- RJ11: 1x (Power)
- FME: 1x Male (Antenna)

## Power Management

- Voltage Range: 5V - 32V
- Input Current (Max): 110 mA @ 12V; 60 mA @ 24V
- Output Voltage: 1V
- Output Current (Min): 0,4A
- Power Cons. (Idle Mode): 8.9 mA (\*)
- Power Cons. (Low Power Mode): <3 mA (@ 12V) (\*)

## Hardware Characteristics

- Operating Temperature: -30°C to +75°C
- Dimensions: 77x66x26 mm
- Weight: 91g

(\*) Measurement averaged (including peaks) over a minimum of 1 minute measurement interval.

### Accessories (exemplary)



## About Telic AG

Telic AG offers a wide range of products and development services, from initial concept design to the mass market production of customer specific solutions which are deployed in telematics, M2M, IoT and security applications.



CEP Terminals is a brand of the Telic AG.

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Product specifications are subject to change without prior notification.