

GT864 Quad Terminal

The GSM/GPRS Quad Band Modem with TCP/IP stack, SMTP, E-mail, SMS and CSD



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

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.

The audio interface handles voice calls and offers connectivity with a head set.

Benefits:

- The Quad Band functionality allows operation on all GSM-frequencies.
- The RS232 port allows connectivity to all relevant PC's and control boards in office and industrial environments.
- GPRS class 10 allows fast data transfer on up to four simultaneous GPRS-downlink channels and up to two uplink channels.
- The included TCP/IP stack gives system integrators fast access to IP connections and supports E-mail services just by using AT commands.
- The robust connectors and the professional housing allow the integration in tough environments such as vending machines, alarm systems or any other telemetry application.
- The extended temperature range from -30°C up to +75°C enables for integration in harsh environments.
- The wide input voltage range of up to 36V and the E-certificate allow the integration in vehicle applications for telematics solutions.

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Technical Parameters:

- Quad Band
- RS232 serial port
- GPRS Class 10
- TCP/IP stack
- SMS and CSD
- E-mail
- Audio interface
- 3 Status LEDs
- SIM card holder
- I/O variants available
- Serial port multiplexer

Power Supply:

- 5-36V DC supply

Size, Temperature Range, Certificates:

- Overall dimensions (excluding connectors)
- 77 x 67 x 26 mm
- Weight ~ 100g
- -30°C to +75°C (operational)
- -40°C to +85°C (storage temp.)
- E-certificate
- CE approval
- FCC approval
- RoHS compliant
- Made in Germany

Product Features

- Quad Band GSM/GPRS
- GSM 850/900 Power class 4 (33dBm)
- GSM 1800/1900 Power class 1 (30dBm)
- Mobile Class B
- Extended Measurement Reporting
- Compliant with 3GPP Release 99 Protocol Stack

Interfaces

- RS232 9pin DSub
- Audio microphone / loudspeaker (USB mini connector)
- Power: 5 - 36VDC (RJ11)
- Antenna: 50 Ohm (FME male)
- SIM card reader: 1,8V/3V interface with SIM detection
- Control by AT commands (GSM 27.005, 27.007 plus proprietary commands)

Data Features

- GPRS Class 10
- Multiple simultaneous PDP contexts
- GPRS Coding Schemes CS1-CS4
- Transparent and non-transparent CSD up to 9.6 kbps
- Modem Type; V21, V22, V23, V22bis, V26ter, V32, V34, V24
- V42bis compression
- GSM supplementary services supported
- GSM 27.010 Multiplexing Protocol
- USSD
- Fax Group 3, Class1

Firmware Update Over the Air

Firmware update over the air based on Telit Service TFUS; only the delta will be sent via GPRS; GT864 has to be pre-registered to the database.

Short Message Service Features (SMS)

- Text and PDU mode
- Point to point mobile originated and mobile terminated SMS (MT/MO)
- SMS Cell Broadcast

Internet Protocol

- TCP/IP protocol stack
- Extensive AT Command access to TCP/IP stack
- Multiple sockets with listening/server capability
- IPv4 protocol
- Dynamic & Static IP address allocation
- PPP protocol (PAP)
- UDP protocol
- FTP client File Transfer Protocol (file transfers)
- SMTP
- E-mail

Audio

- Telephony, emergency calls
- HR, FR, EFR, AMR (Half Rate, Full Rate, Enhanced Full Rate and Multi Rate voice codec's)
- Superior echo cancellation /& noise reduction
- DTMF

Other Features

- SIM application toolkit Class 2
- 3 x LED for status indication
- Power supply voltage measurement via AT-command
- SIM phonebook
- Fixed Dialing Number (FDN)
- Real time clock
- IRA character set
- Jamming detection & report
- I/O variant with 4 digital inputs, 1 analogue input, 1 digital output and Python programming capability available (GT864 PY Terminal)

Accessories

- **CEP power supply** for GSM/GPRS Terminals
- **Antennas**
- **Head sets**
- **Cables for power, audio and RS232**

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Authorized distributor of



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Note: Specification is preliminary and subject to change without prior notice.