

## GT864 PY Terminal

The programmable GSM/GPRS Quad Band Terminal with TCP/IP, SMTP, and Email

### Features:

- Programmable with Telit PYTHON
- Quad Band
- RS232 serial port
- 4 digital inputs
- 1 analogue input
- 1 digital output
- GPRS Class 10
- TCP/IP stack
- SMS and CSD
- Email
- 5-36 V DC supply
- -30°C to +75°C
- CE approval
- FCC approval
- E-Marking
- RoHS compliant
- 3 Status LEDs
- SIM card holder
- Over-the-Air Application SW update
- Made in Germany
- Free PYTHON development tools available



### GT864 PY Terminal

The GT864 PY Terminal is a self contained and programmable unit featuring the latest GSM/GPRS technology from Telit.

GT864 PY Terminal is an excellent product for system integrators whose focus is on application development using a programmable GPRS-modem with I/O-functionality and standard connectors.

The GT864 PY Terminal offers the possibility to host a customer specific PYTHON script inside the module and to update the application "Over-the-Air".

### Benefits

- The use of custom programs allows fast and cost efficient application engineering.
- The RS232 port and the flexible I/O's allow connectivity to all relevant industrial and vehicle applications.

- The 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 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-Marking allows the integration in vehicle applications for telematic solutions.
- The Quad Band functionality allows operation on all relevant GSM-frequencies.

# GT864 PY Terminal, the programmable GSM/GPRS Quad Band

## Product Features

- Programmable with Telit PYTHON script
- 3MB of NV Memory for the user script
- 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
- Power supply: 5 – 36 VDC
- Overall dimensions (excluding connectors):  
77 x 67 x 26 mm
- Temperature range:
  - -30°C to +75°C (Operational)
  - -40°C to +85°C (Storage temperature)
- Weight: ca. 100g

## Interfaces

- 4 digital Inputs (USB mini connector)
- 1 analogue Inputs (RJ11 connector)
- 1 digital Output (RJ11 connector)
- RS232 9-pin DSub
- Power: 5 – 36VDC (RJ11)
- Antenna: 50 Ohms (FME male)
- SIM card reader: 1,8V/3V interface with SIM detection
- Control by AT commands (GSM 27.005, 27.007 plus Proprietary commands)
- Programming interface based on Telit Python

## 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, Class 1

## Short Message Service (SMS) Features

- Text and PDU
- 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
- Email

## Other Features

- SIM Application Toolkit Class 2
- 3 x LED for status indication
- Power Supply voltage measurement via AT-Command
- SIM Phonebook
- Fixed Dialling Number (FDN)
- Real Time Clock
- IRA character set
- Jamming Detection & report
- Telit Easy Scan: automatic scan over GSM frequencies (also without SIM card)

## Accessories

- CEP Power Supply for GSM Terminals
- Antennas
- Cables for power, USB, and RS232

Note: Specification is subject to change without prior notice.

# CEP

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 **Telit** wireless solutions