

UT864 UMTS Terminal

The 7.2Mbit/s UMTS/HSDPA Modem with TCP/IP stack, SMTP, Email & USB-Interface



UT864 Terminal is a self contained unit featuring the latest UMTS / HSDPA technology from Telit.

UT864 Terminal is an excellent product for system integrators whose focus is on application development using a ready to start modem with standard connectors.

Software drivers for Windows and Linux operating systems are available for easy Software integration in the host system.

Benefits:

- The UMTS functionality allows operation in the European UMTS networks and EDGE/GSM functionality in all networks.
- The USB 2.0 full speed interface and the proven RS232 port allows connectivity to all relevant PC's and control boards in office and industrial environments.
- The universal use of the Terminal allows the integration in high speed mobile data applications up to 7.2MBit/s.
- The EDGE/GPRS modes allow maximum data transfer in areas without UMTS coverage.
- 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 the integration in harsh environments.

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Technical Parameters:

- UMTS European Band
- Up to 7.2MBit/s HSDPA data rate
- GSM / GPRS
- Quad Band
- EDGE Quad Band
- GPRS Class 12
- TCP/IP stack
- SMS and CSD
- E-mail client
- USB 2.0 Interface
- RS232 serial port
- 3 Status LEDs
- SIM card holder
- Drivers for Windows and Linux available
- Optional global UMTS Tri-Band version

Power Supply:

- 5-32V DC

Size, Temperature Range, Certificates:

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

UT864 Terminal - The 7.2Mbps/s UMTS/HSDPA Modem

Product Features

- UMTS/HSDPA 2100 MHz Power class 3 (24dBm)
- GSM 850/900 Power class 4 (33dBm)
- GSM 850/900 Power class 1 (30dBm)
- GSM 1800/1900 Power class 2 (27dBm)
- GSM 1800/1900 Power class 2 (26dBm)
- Extended Measurement Reporting

Interfaces

- USB 2.0 full speed interface
- RS232 9pin DSub
- Power: 5-32VDC (RJ11)
- Antenna: 50 Ohm (FME male)
- SIM card reader: 1,8V/3V interface with SIM detection

Data Features

- HSDPA
 - Downlink up to 7.2 Mbps
 - Uplink up to 384 kbps
- WCDMA
 - Downlink/Uplink up to 384 kbps
- EDGE
 - Downlink up to 236.8 kbps
 - Uplink up to 118 kbps
- GPRS Class 12
 - Downlink up to 85.6 kbps
 - Uplink up to 42.8 kbps
 - PBCCH support
- CSD
 - Downlink / uplink up to 14.4 kbps
- Available modes of operation
 - AT commands on UART & data on USB
 - AT commands on USB & data on UART

Firmware Update Over the Air:

- Firmware update over the air based on Telit Service TFUS
- Limited data volume only the delta will be sent via GPRS
- UT864 has to be pre-registered to the database

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)

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
- On project base we offer UMTS Tri Band for 850 / 1900 / 2100 MHz (G-Version for global operation)

Accessories

- **CEP power supply** for UMTS Terminals
- **Antennas**
- **Cables for power, USB and RS232**

How to contact us

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

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