

## UMTS | HSDPA 7.2

### GT864-3G Terminal



01 01	Telit Unified AT Command Set
11 01	
4 GPR	Quad Band GPRS
1 UHD	Single Band UMTS   HSDPA 7.2
4 EDG	Quad Band Edge
RoHS	RoHS Compliant
FTP	Embedded FTP and SMTP Client
RF	Extended RF Sensitivity
Serial Port	Serial Port Multiplexer (GSM 7.10)
TCP/IP	Embedded TCP/IP Stack
5-32	5-32 V DC Supply



The new GT864-3G terminal is a complete encased modem solution for wireless m2m applications based on the single-band 2100MHz UMTS/HSDPA UC864-E core engine with integrated SIM holder as well as additional features.

The GT864-3G is also fully backward compatible to existing EDGE and GSM/GPRS networks through accomplished quad-band radios. Offering extended operating temperature, integrated TCP/IP stack, direct control by standard serial RS-232 interface or USB 2.0 interface, and with a broad supply voltage range (5-32 V DC), the GT864-3G terminal is a complete stand alone solution for m2m applications that require high speed data exchange.

The GT864-3G, new generation of Telit 3.5G terminals, is provided with Windows and Linux drivers that significantly ease the integration in existing applications.

All Telit modules, support Over-the-Air firmware update by means Premium FOTA Management. By embedding RedBend's vCurrent® agent, a proven and battle-tested technology powering hundreds of millions of cellular handsets world-wide Telit is able to update its products by transmitting only a delta file, which represents the difference between one firmware version and another.

As a part of Telit's corporate policy of environmental protection, all products comply to the RoHS (Restriction of Hazardous Substances) directive of the European Union (EU Directive 2002/95/EG).

#### Product features

- HSDPA 7.2 Mbps
- UMTS/HSDPA (WCDMA/FDD) 2100 MHz
- Quad-band EGSM 850 / 900 / 1800 / 1900
- GPRS multi-slot class 12
- EDGE multi-slot class 12
- Output power
  - Class 4 (2 W, 33 dBm) @ GSM 850 / 900
  - Class 1 (1 W, 30 dBm) @ GSM 1800 / 1900
  - Class 3 (0.25 W, 24 dBm) @ UMTS
  - Class E2 (0.5 W, 27 dBm) @ EDGE 850 / 900
  - Class E2 (0.4 W, 26 dBm) @ EDGE 1800 / 1900
- Control via AT commands according to GSM 07.05, 07.07 and Telit enhancements
- SIM access profile
- Supply voltage range: 5-32 V DC
- TCP/IP stack access via AT commands
- Sensitivity:
  - 107 dBm (typ.) @ 850 / 900 MHz
  - 106 dBm (typ.) @ 1800 / 1900 MHz
  - 108.2 dBm (typ.) @ 850 / 1900 / 2100 MHz
- Dimensions: 77 x 67 x 26 mm
- Weight: 90 grams
- Temperature range
  - 30°C to +75°C (Operational)
  - 40°C to +85°C (Storage temperature)
- RoHS compliant

## GT864-3G

Terminal



Front



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**Interfaces**

- Sub-D 9-pin RS-232 connector
- Power: 5 to 32 VDC (RJ11)
- Antenna: 50 Ohm (FME male)
- SIM card holder: 1.8 V / 3 V interface
- Mini USB 2.0 Interface

**Data**

- 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
  - 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

**Approvals**

- Fully type approved conforming with R&TTE directive
- CE

**SMS**

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

**Fax**

- Group 3, class 1

**Additional features**

- SIM phonebook
- Fixed dialing number (FDN)
- Real-time clock
- 3x LED for status indication
- IRA, UCS2 and GSMDefaults
- Jamming detection & report
- Embedded TCP/IP stack, including TCP, IP, UD P, SMTP and FTP protocols
- PFM (Premium FOTA Management)  
Over-The-Air Update service

**Telit's EASY features**

- EASY SCAN ® automatic scan over GSM frequencies (with or without SIM card)

**Order-No.**

Please contact your Telit representative for order codes and all further information