



OT863-3EU

UMTS | HSDPA 7.2 Terminal





33 mm

64 mm

# **Product Description**

The GT863-3EU terminal is a standalone modem solution for wireless m2m applications based on the Telit HE910-EUx HSPA core engine. It is equipped with an integrated SIM card-holder, USB connector, RS232 and GPI0 ports. It is fully backward compatible with existing EDGE and GSM | GPRSnetworks through accomplished quad-band radios. The GT863-3EU is optionally available with an m2mAIR SIM card for advanced value-added services and connectivity subscription. Working out-of-the-box for applications in all regional markets where the product has frequency band coverage, the m2mAIR-equipped GT863-3EU is the ideal solution for wide geography applications, field trials and flash deployments of devices such as in coverage of large events and other similar applications.

# **Key Benefits**

- Programmable, flexible standalone solution with Python script interpreter
- Works in most environments with its extended operating temperature and wide supply voltage (6-55 VDC)
- Internet friendly with integrated TCP/IP stack
- Flexible connectivity via standard serial USB interface or optional RS232
- Easy to integrate with drivers for the most common operating systems
- Over-the-Air firmware update with Premium FOTA Management.

# m2mAIR Ready

This product is capable of supporting the extensive suite of m2mAIR value-added services and connectivity you can use to enhance your application and boost your competitive advantage.

#### AVAILABLE FOR

FMFA

North America

atin America

APAU

Korea

### **Complete, Ready to Use Access** to the Internet of Things



Telit Modules + m2mAIR Mobile Value-Added Services including Connectivity



www.m2mAIR.com







## GT 863-3EU

### Product features

- HSPA 5.76 UL /7.2 DL
- UMTS|HSPA (WCDMA/FDD) 850/900/2100 MHz
- Quad-band EGSM 850 / 900 / 1800 / 1900
- GPRS multi-slot class 33
- FDGF multi-slot class 33
- Control via AT commands according to GSM 27.005, 27.007 and Telit enhancements
- SIM access profile
- TCP/IP stack access via AT commands
- Point-to-point mobile originated and mobile terminated SMS
- Concatenated SMS supported
- SMS cell broadcast
- Text and PDU mode
- FAX: Group 3, class 1
- SIM phonebook
- Fixed dialing number (FDN)
- Real-time clock
- 2x LED for status indication
- IRA, UCS2 and GSMDefaults
- · Jamming detection & report
- Embedded TCP/IP stack, including TCP, IP, UD P, SMTP and FTP protocols

#### Data

- HSPA category 6 in uplink and up to category 8 in downlink
  - Uplink up to 5.76 Mbps
  - Downlink up to 7.2 Mbps
- - Uplink / Downlink up to 384 kbps
- - Uplink up to 236.8 kbps
  - Downlink up to 296 kbps
- GPRS
- CSD

#### Enviromental

- Dimensions: 83 x 64 x 33 mm
- Weight: 180 grams
- Temperature range
  - -30°C to +70°C (Operational)
  - -40°C to +85°C (Storage temperature)

## Interfaces

- Sub-D 9-pin RS-232 connector (Optional)
- Power interface: 4-pole Molex connector
- 6-pole plug (female) (Optional)
- 4 GPIOs,
- SMA connector (female) for GSM antenna
- SIM card holder: 1.8 V / 3 V interface
- USB 2.0 Interface

## Approvals

- Fully type approved conforming with R&TTE directive

# **Electrical & Sensitivity**

- 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
- Supply voltage range: 6-55 V DC
- Sensitivity:
  - -111 dBm (typ.) @ 850 / 900 MHz
  - -109 dBm (typ.) @ 1800 / 1900 MHz
  - 110 dBm (typ.) @ 850 / 1900 / 2100 MHz

#### Software

- Premium FOTA Management Over-the-Air update
- EASY SCAN® automatic scan over GSM frequencies (with or without SIM card)

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