Telit® wireless solutions

GT 863-3EU

UMTS | HSDPA 7.2 Terminal

RS232 POWER AUX STATUS CELLULAR

CELLULAR USB POWER PUSH TO OPEN

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 GPIO 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

- EMEA
- North America
- Latin America
- APAC
- Korea
- Australia

Complete, Ready to Use Access to the Internet of Things

Telit Modules + m2mAIR Mobile Value-Added Services including Connectivity

m2mAIR MOBILE

www.m2mAIR.com

QUALITY
INVESTMENT PROTECTION
BUSINESS SCALABLE
EASE OF INTEGRATION

ONE STOP.
ONE SHOP. NOW, INNOVATE!

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
- EDGE 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
- **UMTS**
  - Uplink / Downlink up to 384 kbps
- **EDGE**
  - 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
- CE

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)

Join the Telit Technical Forum

For a quicker and more rewarding integration experience join the Telit Technical Forum. There you can browse the first open forum covering all m2m topics, get direct support by region (EMEA, North America, Latin America, APAC), take part in this quickly growing m2m community and exchange experiences.