⬤⬤ **GL 865**-DUAL V3

Product features

- VQFN form factor
- Dual-band EGSM 900 / 1800 MHz
- GSM | GPRS protocol stack 3GPP Release 4 compliant
- Control via AT commands according to 3GPP TS 27.005, 27.007 and Telit custom AT commands
- Serial port multiplexer 3GPP TS 27.010
- SIM access profile
- SIM application toolkit 3GPP TS 51.014
- DARP/SAIC support
- SMS support
- SMS over GPRS
- Telephony, emergency call
- Half rate, full rate, enhanced full rate and adaptive multi rate voice codecs (HR, FR, EFR, AMR)
- Superior echo cancellation & noise reduction
- Multiple Audio profiles pre-programmed and fully configurable by mean AT commands
- Embedded DTMF decoder
- SIM phonebook
- Fixed dialing number (FDN)
- Real-time clock
- Alarm management
- Network LED support
- IRA, GSM, 8859-1 and UCS2 character set
- Jamming detection
- Embedded TCP/IP stack, including TCP, IP, UDP, SMTP, ICMP and FTP protocols
- PFM (Premium FOTA Management) Over- The-Air Update service
- Remote AT commands
- Event monitor
- Telit's EASY features EASY SCAN® automatic scan over GSM frequencies (also without SIM card)

Data

GPRS

- GPRS class 10
- Mobile station class B
- Coding scheme 1 to 4
- PBCCH support
- GERAN Feature Package 1 support (NACC, Extended TBF)

CSD

Environmental

- Dimensions: 24.4 x 24.4 x 2.6 mm
- Weight: 2.8 grams
- Extended temperature range
- -40°C to +85°C (operational)
- -40°C to +85°C (storage temperature)

Interfaces

- 8 I/O ports maximum (1.8 V logic level)
- Analog Audio (balanced), digital Audio
- 2 A/D plus 1 D/A converter
- Buzzer output
- ITU-T V.24 serial link through CMOS UART
  - Baud rate from 300 to 115,200 bps
  - Autobauding up to 115,200 bps

Approvals

- Fully type approved conforming R&TTE directive
- CE, GCF

Electrical & Sensitivity

- Output power
  - Class 4 (2W) @ 900 MHz
  - Class 1 (1W) @ 1800 MHz
- Supply voltage range: 3.2 - 4.5 VDC (3.8 V DC recommended)

- Power consumption (typical values)
  - Power off: 2 uA (typical)
  - Idle (registered, power saving): 0.9 mA DRX=9
  - Dedicated mode: 200 mA @ max power level
  - GPRS cl.10: 330 mA @ max power level
- Sensitivity:
  -108 dBm (typ.) @ 900 MHz
  -107 dBm (typ.) @ 1800 MHz

Software

- Python* application resources
- Python* script interpreter (module takes the application code directly in the Python* language)
- Memory: 800 kB of NV memory for the user scripts and 1 MB RAM for the Python* engine usage

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