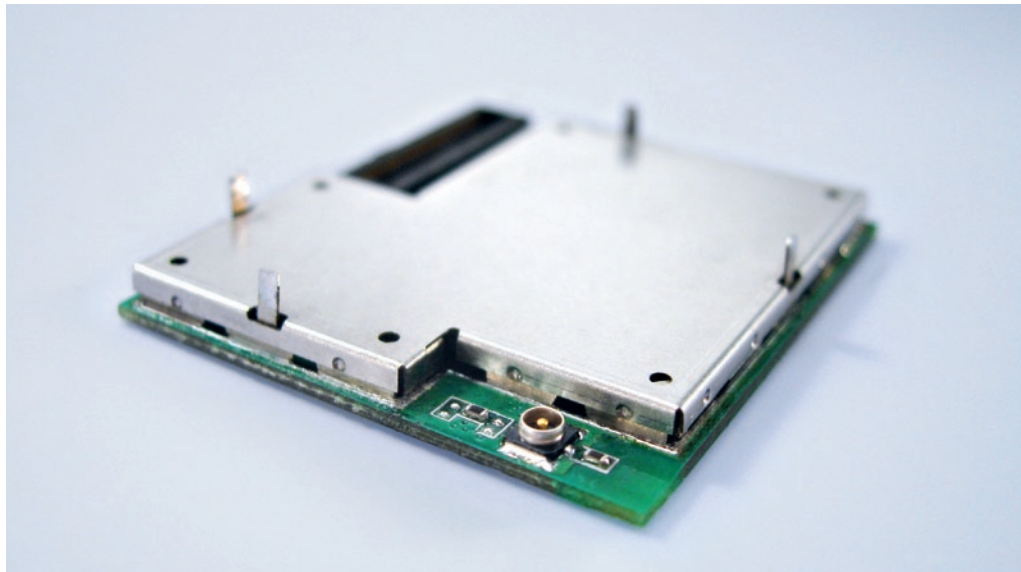














GSM | GPRS

GC868-DUAL

Compact



-  Ultra Compact
-  Telit Unified AT Command Set
-  Dual Band
-  GPRS Class 8
-  RoHS Compliant
-  SIM Access Profile
-  60 Pin Connector
-  Embedded FTP and SMTP Client
-  Commercial Grade Temperature Range
-  Extended RF Sensitivity
-  Serial Port Multiplexer (GSM 7.10)
-  Embedded TCP/IP Stack

The GC868-DUAL is a GSM/GPRS wireless module designed to address the requirements of integrators looking for a cellular voice and/or data communication solution for applications requiring only dual-band functionality for their end-application.

It can address the needs of Asian regions through the 900/1800 MHz bands.

With ultra-compact design, and commercial operating temperature range, the GC868-DUAL is the perfect platform for medium-to-high volume m2m applications requiring short data communication bursts that are planned to be deployed within a well defined region and that are not likely to grow in need for communication bandwidth and speed such as automated meter reading, Vending, POS, and Remote Device Management.

For these types of applications, the GC868-DUAL is perfectly suited since it provides high quality and superior reliability provided by the world class Telit protocol stack without the additional costs associated with dual-band or extended temperature range.

Through the use of the Telit Protocol stack and Unified AT Command interface, upgrading to any of Telit's other GSM products or UMTS and CDMA modules is easy.

As part of Telit's corporate policy of environmental protection, all products comply to the RoHS (Restriction of Hazardous Substances) directive.

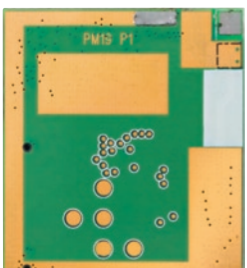
Product features

- Dual-band EGSM 900 / 1800 MHz
- Output power
 - Class 4 @ 900 MHz
 - Class 1 @ 1800 MHz
- Control via AT commands according to GSM 07.05, 07.07 and Telit enhancements
- Serial port multiplexer GSM 7.10
- Supply voltage range: 3.4–4.5 V DC
- TCP/IP stack access via AT commands
- Fully certified for application in the Chinese Market
- Power consumption (typical values)
 - Power off: < 26 μ A
 - Idle (registered, power saving): < 3.6 mA
 - Dedicated mode: 170 mA
 - GPRS cl. 8: 290 mA
- Sensitivity:
 - better than -108 dBm (typical values) @ 900 MHz
 - better than -107 dBm (typical values) @ 1800 MHz
- Dimensions: 32 x 35 x 3.1 mm
- Weight: 8 grams
- Operating temperature range:
 - 25°C to +70°C
- RoHS compliant



GC868-DUAL

Compact



actual size

Interfaces

- 60-pin connector
- 10 I/O ports maximum
- 2 analog audio (balanced)
- 2 A/D
- Buzzer output
- ITU-T V.24 serial link through UART:
 - at CMOS level
 - Baud rate from 300 to 115,200 bps
 - Autobauding from 2,400 to 57,600 bps
- 50 Ohm GSC antenna connector

Audio

- 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
- Handset & hands-free operations
- DTMF

Approvals

- TBD

SMS

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

Circuit switched data transmission

- Asynchronous transparent circuit switched data (CSD) up to 14.4 kbps
- Asynchronous non-transparent CSD up to 9.6 kbps
- V.110

GPRS data

- GPRS class 8
- Mobile station class B
- Coding scheme 1 to 4
- PBCCH support

Fax

- Group 3, class 1

GSM supplementary

- Call forwarding
- Call barring
- Call waiting & call hold
- Advice of charge
- Calling line identification presentation (CLIP)
- Calling line identification restriction (CLIR)
- Unstructured supplementary services mobile originated data (USSD)
- Closed user group

Additional features

- SIM phonebook
- Fixed dialing number (FDN)
- Real-time clock
- Alarm management
- Battery management
- Network LED support
- IRA character set
- Embedded TCP/IP stack, including TCP, IP, UDP, SMTP and FTP protocols

Telit's EASY features

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

Order-No.

GC868-DUAL 4990250047

NOTE: Technical data can change without any advance notice



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