











CDMA | 1xRTT

CC864-DUAL

Compact



-  Ultra Compact
-  Telit Unified AT Command Set
-  Telit Unified Form Factor
-  Dual Band CDMA 1xRTT
-  RoHS Compliant
-  80 Pin Connector
-  Over The Air Reflash
-  Extended Temperature Range
-  Extended RF Sensitivity
-  Embedded TCP/IP Stack

The CC864-DUAL is a CDMA-1xRTT 3G wireless module designed to have the same form, fit, and function as its GSM/GPRS and UMTS/HSDPA counterpart product families, the GC864 and the UC864 respectively. This enables integrators and developers to design their applications once and take advantage of the truly global coverage and service flexibility afforded by the combination of the two most prevalent cellular technologies worldwide.

With its ultra-compact design, and extended operating temperature range, the Telit CC864-DUAL is the perfect platform for medium-to-high-volume m2m applications and mobile data and computing devices. Additional features such as integrated TCP/IP and UDP, and a three-channel ADC and one-channel DAC provide extended functionality, adding value to the end application without adding cost.

The CC864-DUAL incorporates gpsOne® capability for applications in mobile environments such as telematics, personal and asset tracking. The extensive interface set, which includes IIC and user definable GPIO, provides ease of integration for peripherals and actuators.

Aiming to protect customers' investments in developing and deploying solutions based on Telit modules, the CC864-DUAL boasts a range of functions for over-the-air maintenance and management of software in the module.

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).

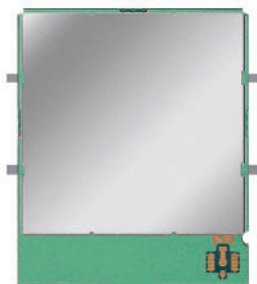
Product features

- Dual-band CDMA 800 / 1900 MHz
- Standard and extended AT command set
- Motor and buzzer output
- Supply voltage range: 3.6–4.2 V DC
- TCP stack with IP and UDP protocols
- Low power (typical):
 - Hibernation mode < 275 nA
 - Sleep mode: < 1 mA
 - Idle mode: < 230 mA
 - Traffic mode: < 700 mA



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actual size

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 - Traffic mode: < 700 mA
- Sensitivity:
 - 1900 MHz: < -106 dBm
 - 800 MHz: < -107 dBm
- Dimensions: 30 x 36.2 x 4.7 mm
- Weight: 11 grams (preliminary)

Interfaces

- 80-pin Molex connector
- Voice/DATA service
- Analog audio
- Standard RS-232 interface (2UART)
- IIC interface
- Ear phone detection
- Max 25-port user definable GPIO
- 3-channel A/D/1-channel D/A
- 50 Ohm GSC antenna connector
- External reset input
- Air Interface: IS-95A/B, CDMA 2000 1xRTT

Approvals

- CDG1 & 2, FCC

1xRTT data

- Data transmission speed: Up to 153.6 Kbps (full-duplex)

Electrical

- Maximum RF output power: ≥ 24 dBm
- Zero IF
- Nominal operating voltage: DC 3.9 \pm 0.3V

Environmental

- Temperature range
 - 30°C to +80°C (operational)
 - 40°C to +90°C (storage temperature)

Additional features

- SMS (short message service)
- Minimal power consumption
- Various status indications:
 - Unread short message
 - Low battery alert
 - In/out of range status

Order-No.

Preliminary



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