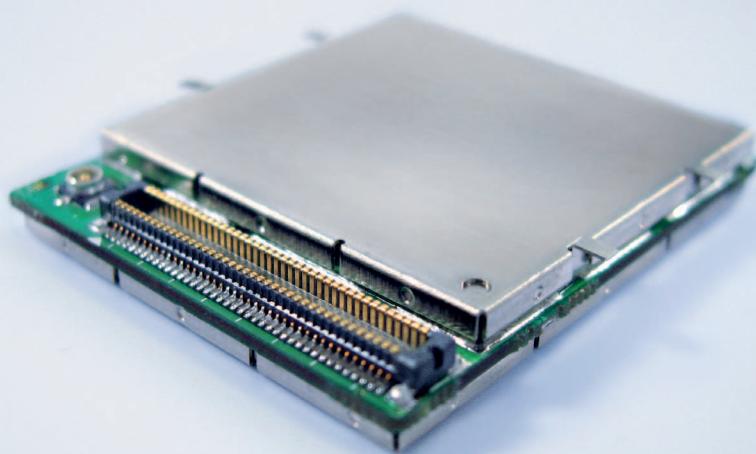


## CDMA | 1xRTT

### CC864-DUAL Compact



Ultra Compact



12 Channel  
GPS Receiver



Telit Unified  
AT Command Set



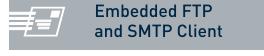
Telit Unified  
Form Factor



Dual Band  
CDMA 1xRTT



RoHS Compliant



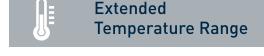
Embedded FTP  
and SMTP Client



80 Pin Connector



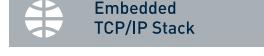
Over The Air  
Refresh



Extended  
Temperature Range



Extended  
RF Sensitivity



Embedded  
TCP/IP Stack



OMA  
Device Management

The CC864-DUAL is a dual band 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 m2m applications and mobile data and computing devices. Additional features such as integrated TCP/IP and UDP stack 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® and standalone GPS for applications in mobile environments such as telematics, personal and asset tracking. The extensive interface set, which includes 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

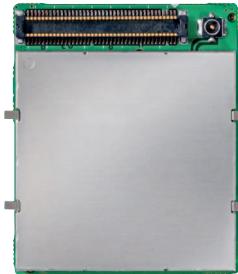
- Dual-band CDMA 800 / 1900 MHz
- Dual-mode GPS (standalone and gpsOne®)
- Standard and Telit Unified AT command sets
- Supply voltage range: 3.4–4.2 V DC
- Built in UDP/TCP/IP stack
- Low power consumption (typical):
  - Traffic mode: < 700 mA
  - Idle mode: 50 mA
  - Sleep mode: 1.5 mA
  - Hibernation (RTC) mode: < 40 µA



Making machines talk.®

## CC864-DUAL

Compact



actual size

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Subject to changes in technology, design and availability

Preliminary data only. Telit Wireless Solutions reserves the right to change product specifications without notice.

Distributed by:

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[www.telit.com](http://www.telit.com)[www.telit.com/techforum](http://www.telit.com/techforum)[www.telit.com/facebook](http://www.telit.com/facebook)[www.telit.com/twitter](http://www.telit.com/twitter)**Performance**

- Maximum RF output power:  $\geq 24$  dBm
- Sensitivity:
  - 1900 MHz:  $< -108$  dBm
  - 800 MHz:  $< -108$  dBm
- Zero IF

**Mechanical specifications**

- Dimensions: 30 x 36.2 x 4.8 mm
- Weight: 9 grams

**Interfaces**

- 80-pin Molex connector
- Analog audio
- Digital PCM audio
- RS-232 interface (1UART)
- Max 22-port user definable GPIO
- 3-channel A/D/1-channel D/A
- 50 Ohm GSC antenna connectors for CDMA and GPS
- USB 2.0 support
- External reset input

**CDMA features**

- Air interface: IS-95A/B, CDMA 2000 1xRTT
- Full voice support includes supplementary services
- 2-way SMS support
- Data transmission speed: Up to 153.6 Kbps (full-duplex)

**Approvals**

- FCC and IC
- CDG 1 and 2
- CDMA carrier approvals
- RoHS

**GPS features**

- Standalone GPS
- gpsOne® (user and control plane)
- NMEA Data
- GPS fix on demand
- -151 dBm receiver sensitivity
- Dedicated GPS antenna connection for optimal GPS performance with active antenna support

**Electrical**

- Nominal operating voltage: DC  $3.8 \pm 0.4$  V

**Environmental**

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

**Additional features**

- Minimal power consumption
- Various status indications:
  - Unread short message
  - Low battery alert
  - In/out of range status
- Over-the-air provisioning and device management
- Over-the-air firmware update
- OMA-DM, OTASP, OTAPA (carrier dependant)
- Built in FTP client
- Built in SMTP (email) client
- Embedded TCP/IP stack with server and client functions
- Battery charging
- Real time clock
- Alarm management

**Order No.**

Please contact your Telit representative for order codes and all further information