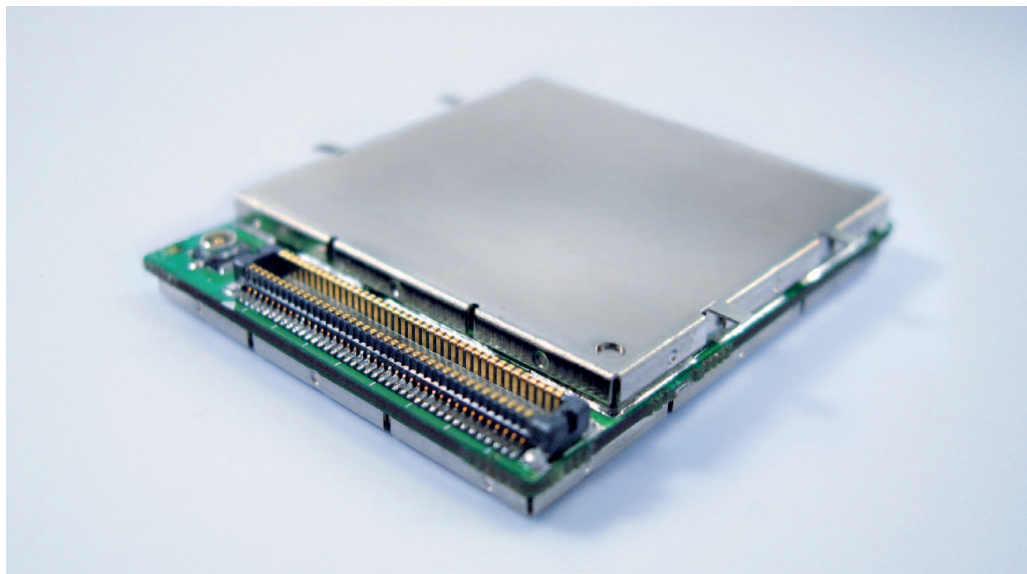















CDMA | 1xRTT

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 Reflash
	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).

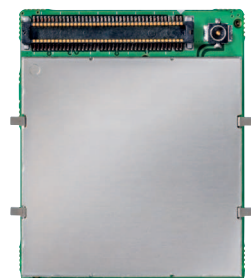
Product features

- 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



CC864-DUAL

Compact



actual size

Copyright © 2011, Telit
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:

Performance

- Maximum RF output power:
≥ 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 ± 0.4V

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



Telit Communications S.p.A.
Via Stazione di Prosecco, 5/B
I-34010 Sgonico (Trieste), Italy
Tel +39 040 4192 200
Fax +39 040 4192 289
E-Mail: EMEA@telit.com

Telit Wireless Solutions Inc.
3131 RDU Center Drive, Suite 135
Morrisville, NC 27560, USA
Tel +1 888 846 9773 or +1 919 439 7977
Fax +1 888 846 9774 or +1 919 840 0337
E-Mail: NORTHAMERICA@telit.com

Telit Wireless Solutions Inc.
Rua Cunha Gago, 700 - cj 81, Pinheiros
São Paulo - SP, 05421001, Brazil
Tel +55 11 2679 4654
Fax +55 11 3031 5051
E-Mail: LATINAMERICA@telit.com

Telit Wireless Solutions Co., Ltd.
12th Fl, Shinyoung Securities Bld.
34-12, Yeouido-dong, Yeongdeungpo-gu
Seoul, 150-884, Korea
Tel. +82 2 368 4600
Fax +82 2 368 4606
E-Mail: APAC@telit.com

www.telit.com

www.telit.com/techforum

www.telit.com/facebook

www.telit.com/twitter