

CC864-DUAL

Product features

- Dual-band CDMA 800 / 1900 MHz
- Dual-mode GPS (standalone and gpsOne®)
- Standard and Telit Unified AT command sets
- Built in UDP/TCP/IP stack
- Full voice support includes supplementary services
- 2-way SMS support
- 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
- Battery charging
- Real time clock
- Alarm management

Data

CDMA

- Air interface: IS-95A/B, CDMA 2000 1xRTT
- Data transmission speed: Up to 153.6 Kbps (full-duplex)

Environmental

- Dimensions: 30 x 36.2 x 4.8 mm
- Weight: 9 grams
- Extended temperature range
 - 30°C to +80°C (operational)
 - 40°C to +90°C (storage)

GPS Receiver

- 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

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 FS support
- External reset input

Approvals

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

Electrical & Sensitivity

- Nominal operating voltage: DC 3.8 ± 0.4V
- Low power consumption (typical):
 - Traffic mode: < 700 mA
 - Idle mode: 50 mA
 - Sleep mode: 1.5 mA
 - Hibernation (RTC) mode: < 40 µA
- Maximum RF output power: ≥ 24 dBm
- Zero IF
- Supply voltage range: 3.4 – 4.2 V DC
- Sensitivity:
 - 1900 MHz: < -108 dBm
 - 800 MHz: < -108 dBm



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