

CDMA-1XRTT Module CC864-DUAL

Same form, fit and functions as GSM module GC864.



CC864 wireless data modules are the ready solution for all your M2M wireless applications using CDMA-1XRTT.

- Designed for Industrial Applications
- Rugged design
- Small, lightweight and easy to integrate
- Low power consumption
- Extended temperature range
- Network Embedded:
 - Embedded TCP/IP stack and DNS query protocol
 - TCP/IP and UDP
- Functions for over-the-air maintenance and management of software in the module
- ROHS compliant

Excellent technical support to help you in the integration of your solution:

- Exhaustive product documentation
- Starter Kit and reference design
- Quick technical assistance by dedicated e-mail services and a dedicated technical forum provided by Round Solutions

Product Features

- Dual band CDMA 800/1900 MHz
- Standard and extended AT Command set
- Max 25-port User Definable GPIO
- 3-channel ADC/1-channel DAC
- Motor and Buzzer output
- Supply voltage range: 3.6 – 4.2 V DC
- TCP Stack with IP and UDP protocols
- gpsOne ®
- Low power (typical):
 - Hibernation mode < 275 nA
 - Sleep mode < 1 mA
 - Idle mode < 230 mA
 - Traffic mode < 700 mA
- Sensitivity:
 - 1900 MHz < -106 dBm
 - 800 MHz < -107 dBm
- Dimensions: 30 x 36.2 x 4.7

Interfaces

- 80-pin board-to-board connector
- Voice/DATA Service
- Analog audio
- Standard RS-232 Interface (2UART)
- IIC Interface
- Motor and Buzzer Output
- Ear-phone Detection
- Max 25-port assigned
- 3-channel ADC/1-channel DAC
- 50-Ohm GSC type 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
- Receiver Sensitivity:
 - 1900 MHz < -106 dBm
 - 800 MHz < -107 dBm
- Nominal Operation Voltage: DC 3.9 +- 0.3V
- Power Consumption
 - Hibernation mode < 275 nA
 - Sleep mode < 1 mA
 - Idle mode < 230 mA
 - Traffic mode < 700 mA

Environmental

- Operating Temperature: -30 ° C +80 ° C
- Storage Temperature: -40 ° C +90 ° C

Additional Features

- SMS (Short Message Service)
- Minimal Power Consumption
- Standard & Extended AT Command Set
- Embedded TCP/IP & UDP Protocol Stack
- Various Status Indications:
 - Unread short message
 - Low battery alert
 - In/Out of range status