



CDMA | 1 x RTT Embedded



28.2 mm

Product Description

The CE910-SL is a single-band 450 MHz CDMA 1xRTT wireless module. It is specifically designed for M2M applications requiring secure and robust CDMA connectivity. Thanks to the deep indoor propagation of the 450 MHz frequency, this module is ideal for indoor devices, such as smart meters that are often placed in the center of the home. In addition the wide coverage range of the 450MHz band allows wireless services to be provisioned over large areas with a minimal number of base stations.

The CE910-SL compact LGA form factor is pin-to-pin compatible with the xE910 family, allowing re-use of the application with different 2G to 4G wireless technologies.

Key Benefits

- xE910 LGA Unified Form Factor
- Design once and deploy globally
- 450 MHz 1xRTT support
- 153.6 kbps UL/DL data rates
- Up to 10 GPIOs, 1 UART, 1 ADC, USB 2.0 FS
- Ideal solution for low throughput wireless data applications, such as telemetry, telematics, smart metering health care and security

Family Concept

The xE910 Unified Form Factor family comprises of pin-to-pin compatible modules. Telit has the broadest range of cellular air interfaces and band combinations, making it a central pillar of the "design once and deploy globally" concept.

A one-time design and integration effort enables worldwide or regional device re-use across different data rates and wireless technologies with air interfaces in GSM | GPRS, UMTS | HSPA+, 1xRTT, EV-DO, and LTE (pre-release).

The xE910 family was designed to enable applications to be easily upgraded in a number of ways. For example: migrating from 2G to 3G or 4G; or upgrading from 2 bands to 3, 4, or more. The family preserves the core design of the application or device from launch to phase-out with modules packaged in a common 28.2 x 28.2 mm LGA footprint. It is recommended for mid to high-volume, compact sized applications.

AVAILABLE FOR

EMEA
North America
Latin America
APAC
Korea
Australia

Combine your **Cellular** module with





www.telit.com

Complete, Ready to Use Access to the Internet of Things



Telit Modules + m2mAIR Mobile Value-Added Services including Connectivity





ONE STOP. ONE SHOP. NOW, INNOVATE!



CE910-SL

Product features

- Single-band CDMA | 1x RTT 450 MHz (CDMA BC5)
- Backward compatible with IS-95 A /B
- Standard and Telit Unified AT command sets
- USB and UART Interfaces
- Built in UDP/TCP/IP stack
- 2-way SMS support Performance
- Minimal power consumption
- Various status indications:
 - Unread short message
- In/Out Range status
- Built in FTP client
- Built in SMTP (email) client
- Embedded TCP/IP stack with server and client functions
- Real Time Clock
- Alarm Management

Data

- СDМА
- Air interface IS-95A/B and CDMA 2000
- 1xRTT data up to 153.6 kbps

Environmental

- Dimensions: 28.2 x 28.2 x 2.35 mm
- Weight: 4.7 grams
- Extended temperature range: -40°C to +85°C (operational) -40°C to +85°C (storage temperature)

Interfaces

- USB 2.0 FS (12Mbps), slave only
- Full serial UART
- Max 10 ports user definable GPIO
- 1-channel A/D

Approvals

- R&TTE
- CCF57 Level 2
- CDMA Carrier Approvals
- RoHS

Electrical & Sensitivity

- Supply voltage:
 - Nominal: 3.8 VDC
 - Range: 3.4 4.5 VDC
- Maximum RF output power:
- 24.5 dBm [typical]
- Sensitivity:
 - 450 MHz: < -108 dBm

Telit reserves all rights to this document and the information contained herein. Products, names, logos and designs described herein may in whole or in part be subject to intellectual property rights. The information contained herein is provided "as is". No warranty of any kind, either express or implied, is made in relation to the accuracy, reliability, fitness for a particular purpose or content of this document This document may be revised by Telit at any time. For most recent documents, please visit www.telit.com

Copyright © 2014, Telit * Copyright © 1990-2014, Python Software Foundation

Telit Communications S.p.A. Via Stazione di Prosecco, 5/B I-34010 Sgonico (Trieste), Italy Phone +39 040 4192 200 Fax +39 040 4192 383 F-Mail FMFA@telit.com

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

Telit Wireless Solutions Inc. Rua Paes Leme, 524, Conj, 126 05424-101, Pinheiros São Paulo-SP-Brazil Phone +55 11 3031 5051 Fax +55 11 3031 5051 E-Mail LATINAMERICA@telit.com

Telit Wireless Solutions Co., Ltd. 8th Fl., Shinyoung Securities Bld. 6, Gukjegeumyung-ro8-gil, Yeongdeungpo-gu Seoul, 150-884, Korea Phone +82 2 368 4600 Fax +82 2 368 4606 E-Mail APAC@telit.com

www.telit.com

- 1 www.telit.com/techforum
- 🚹 www.telit.com/facebook
- 🕒 www.telit.com/twitter



Join the Telit Technical Forum

For a quicker and more rewarding integration experience join the Telit Technical Forum. There you can browse the first open forum covering all m2m topics, get direct support by region (EMEA, North America, Latin America, APAC), take part in this quickly growing m2m community and exchange experiences.