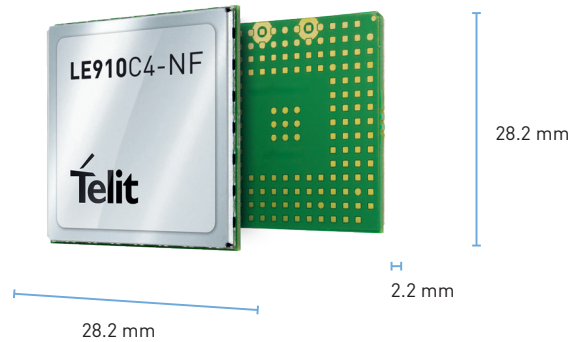


LE910Cx-NF

LTE Cat.4 150/50 - Cat.1 10/5 Embedded



Product Description

The LE910C4-NF industrial-grade LTE Category 4 module is compliant with band-14 specifications and requirements for use in America's dedicated public safety, first responder networks. The module complies with 3GPP Release 10 and is available with optional quad-constellation GNSS capability. The LE910Cx-NF compact, LGA-packaged module series is available in configurations supporting both multi-mode and fallback as required by North American carriers, with features and specifications targeting public safety system integrators and solution providers in the U.S.

Key Benefits

- Band 14 (emergency responder) support
- Best-in class 3GPP rel. 10 platform
- Easy to integrate with peripherals and actuators using USB 2.0 HS, UART and user definable GPIOs
- Internet friendly with integrated TCP/IP and UDP/IP stacks
- Simple drop-in migration and technology design reuse path to 2G and 3G with any xE910 module
- Over-the-Air firmware update
- Embedded GNSS solution

Family Concept

The LE910C4-NF is a member of Telit's flagship xE910 module family delivering 4G radio access technology in the 28.2 x 28.2 x 2.2 mm family form factor. The Telit xE910 Unified Form Factor Family is comprised of 2G, 3G, and 4G, 3GPP and 3GPP2 products sharing a common form factor as well as electrical and programming interfaces which allows developers to implement a "design once, use any-where" strategy.

Variants

Cat.4 and Cat.1
4G North American market - AT&T, Verizon and T-Mobile

AVAILABLE FOR

North America

IoT Connectivity and Portal Ready

This product is capable of supporting the extensive suite of Value Added Services from IoT Connectivity including Module Management and others which make the management of IoT deployments under mobile networks effective, enhancing profitability and reliability. It is also Portal-ready which means that the AT command library in this module includes a set of high-level commands designed exclusively for quick and hassle-free on-boarding of the device to the portal and to back-end systems and servers. Telit Portal-ready modules powered by deviceWISE make application-level data flows and controls simple to program, maintain and improve.

Combine your Cellular module with

Short Range modules



www.telit.com

Complete, Ready to Use Access to the Internet of Things



LE910Cx-NF

| | |
|--------------------|---|
| Market | North America (Dedicated public safety, first responder networks, AT&T, VZW, T-Mobile) |
| Frequencies | |
| 4G | B12, B14, B4, B2, B5, B13, B66, B71 |
| 3G | B2, B4, B5 |

LE910Cx-NF

Product Features

- Band 14 support
- LTE FDD Cat.4, 3GPP release 10 compliant
- LTE FDD Cat.1. 3GPP release 9 compliant
- Rx Diversity and MIMO DL 2x2
- Single Rx option
- VoLTE support
- SMS over IMS
- Built in UDP/TCP/FTP/SMTP stack • I
- Pv4/IPv6 stack
- Control via AT commands according to 3GPP
- TS 27.005, 27.007 and Telit Custom AT commands
- SIM application Tool Kit 3GPP TS 51.014
- OMA-DM Telit Software Management
- Simultaneous support of GPS, Glonass, Beidou,
- Galileo, QZSS

Data

LTE Cat. 4

- Uplink up to 50 Mbps
- Downlink up to 150 Mbps

DC-HSPA+ 42 Mbps

LTE Cat. 1

- Uplink up to 5 Mbps
- Downlink up to 10 Mbps

Environmental

- Dimensions 28.2 x 28.2 x 2.2mm
- Temperature Range
Industrial: -40°C to +85°C
- REACH and RoHS compliant

Interfaces

- 181-pin LGA interface
- 10 I/O ports (@1.8V) including multifunctional I/Os
- USB 2.0 HS / HSIC
- UART
- SPI
- PCM
- 1.8 V / 3 V SIM interface
- RF pad, RX Div. & MIMO pad

Approvals

- FCC/IC, PTCRB, GCF
- MNO: AT&T, VZW, T-Mobile

Electrical & Sensitivity

- Output power
- Class 3 (0.2 W, 23 dBm) @ LTE
- Supply voltage range:
- Nominal: 3.8 VDC
- Range: 3.3 - 4.2 VDC

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