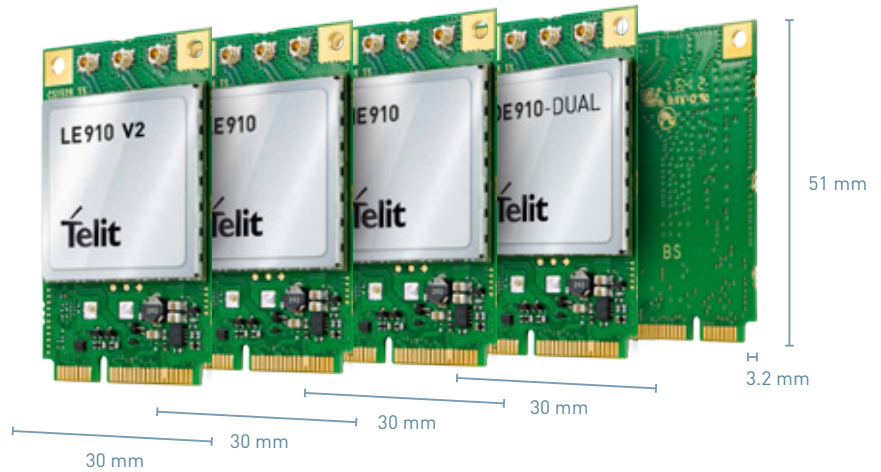


## xE910 Mini PCIe

UMTS | HSPA+ 21.0/5.76

LTE 150/50 | DC-HSPA+ 42.0/11.5 mPCIe Data Cards



### Product Description

The xE910 Mini PCIe data-card is a product series available in three different technologies: LTE, HSPA+ , providing connected device makers maximum range of options for Global cellular operator support.

It is particularly well-suited for devices with high throughput requirements such as mobile computing, kiosks, PDAs, e-readers, tablet PCs, and consumer electronics in general.

### Key Benefits

- Standard Mini PCIe Data-card form factor
- LTE technology interchangeable with HSPA+ or EV-DO counterpart
- Ideally suited for devices such as PDAs, mobile resource management (MRM), logistics, POS terminals, trackers, wireless backup for DSL modems and gateways
- Rx diversity which allows the end-device to be equipped with two distinct cellular antennas improving the quality and reliability of the wireless connectivity
- Over-the-Air firmware update
- Battery-friendly 1.8V GPIO

### Family Concept

The mini PCIe form factor has become a popular standard adopted by connected device manufacturers to easily integrate wireless connectivity into their devices for commercial and industrial computer markets.

### IoT Connectivity Ready

This product is capable of supporting the extensive suite of IoT Connectivity value-added services and connectivity you can use to enhance your application and boost your competitive advantage.

#### AVAILABLE FOR

- EMEA
- North America
- Latin America
- APAC
- Korea
- Australia

#### Combine your Cellular module with

Short Range modules



[www.telit.com](http://www.telit.com)

#### Complete, Ready to Use Access to the Internet of Things



## LE910 V2 Mini PCIe

### Product Features

#### Supported frequencies:

- EU variant (European)
  - LTE: 800 (B20) / 900 (B8) / 1800 (B3) / 2100 (B1) / 2600 (B7)
  - UMTS | HSPA: 900, 2100 MHz
  - GSM | GPRS | EDGE: 900, 1800 MHz
- NA variant (NA market - AT&T)
  - LTE: 700 (B17/B12/B13) / 850 (B5) / AWS1700 (B4) / 1900 (B2)
  - UMTS | HSPA: 850, 1900 MHz
- SV variant (NA market - Verizon)
  - LTE: 700 (B13) / AWS1700 (B4) / 1900 (B2)
- AU variant (Australian)
  - LTE: 700 (B28) / 1800 (B3) / 2600 (B7)
- LTE FDD Cat.4, 3GPP release 9 compliant
- Rx Diversity and MIMO DL 2x2
- SIM application Tool Kit 3GPP TS 51.014
- Serial port multiplexer 3GPP TS27.010
- SMS over IMS
- Built in UDP/TCP/FTP/SMTP stack
- Control via AT commands according to 3GPP TS 27.005, 27.007 and Telit Custom AT commands

### Data

- LTE Cat.4
- Uplink up to 50 Mbps
- Downlink up to 150 Mbps  
DC-HSPA+ 42 Mbps  
(Supported on the variants with 3G fallback)

### Electrical & Sensitivity

- Output power
  - Class 3 (0.2 W, 23 dBm) @LTE
- Supply voltage: 3.3 VDC +/- 9%

## HE910 Mini PCIe

### Product Features

- Supported frequencies:
  - GSM | GPRS | EDGE: 850, 900, 1800, 1900
  - UMTS | HSPA: 800 / 850\*, 900, AWS 1700, 1900, 2100 MHz
  - \* Bands B6 and B19 (800 MHz) are a subset of B5 (850 MHz) and supported as well.
- Optional high sensitivity GPS | A-GPS receiver (SUPL 1.0)
- Rx Diversity
- 3GPP release 7 compliant
- SIM application Tool Kits 3GPP TS 51.014
- Built in UDP/TCP/FTP/SMTP stack
- IP stack with TCP and UDP protocol
- Standard and extended AT command set
- Available variants:
  - Voice, Data and GPS
  - Data-Only

### Data

#### HSPA category 6 in uplink and up to category 14 in downlink

- Uplink up to 5.76 Mbps
- Downlink up to 21.0 Mbps

### Electrical & Sensitivity

- Output power
  - Class 4 (2 W, 33 dBm) @ GSM 850 / 900
  - Class 1 (1 W, 30 dBm) @ GSM 1800 / 1900
  - Class 3 (0.25 W, 24 dBm) @ UMTS
  - Class E2 (0.5 W, 27 dBm) @ EDGE 850 / 900
  - Class E2 (0.4 W, 26 dBm) @ EDGE 1800 / 1900
- Supply voltage: 3.3 VDC +/- 9%
- Sensitivity
  - 108 dBm @ UMTS
  - 107 dBm @ GSM 850 / 900 MHz
  - 106 dBm @ DCS1800 / PCS1900 MHz

## Environmental

- Dimensions:
  - 51 x 30 x 3.2 mm
  - 51 x 30 x 4.8 mm (with optional sim-holder)
- Weight: 10 grams
- Temperature range -40 to +85°C
- REACH and RoHS compliant

## Interfaces

- USB 2.0 HS
- USIM/SIM connection
  - class B and class C
- SIM holder (option)
- DVI (Digital Voice Interface through the 52 pin edge connector)
- Wake
- W\_Disable
- Led\_wwan



## 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 IoT topics, get direct support by region (EMEA, North America, Latin America, APAC), take part in this quickly growing IoT community and exchange experiences.