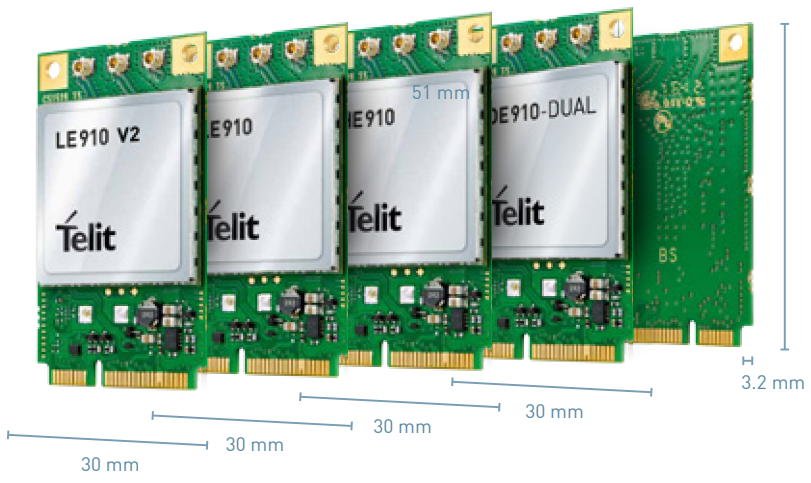


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Add : Mustafa Kemal Mah. 2131sk. No: 32/2 TR-06510 Çankaya-ANKARA
Tel : + 90 312 443 03 04 Fax : + 90 312 443 09 69



xE910 Mini PCIe

CdMa | 1xev-do rev.a

uMTs | HSPA+ 21.0/5.76

Lte 150/50 | dC-HsPa+ 42.0/11.5 M.2 Data Cards

Product Description

The xE910 Mini PCIe data-card is a product series available in three different technologies: LTE, HSPA+ and EV-DO, 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

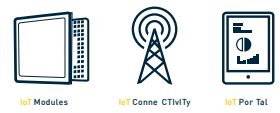
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- North America
- Latin America
- APAC
- Korea
- Australia

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Short Range modules

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Complete, ready to use access to the Internet of Things



LE910 V2 Mini PCIe LE910 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:900,1800MHz
- NA variant (NA market - AT&T)
 - LTE:700(B17/B12/B13)/850(B5)/AWS1700(B4)/1900(B2)
 - UMTS|HSPA:850,1900MHz
- SV variant (NA market - Verizon)
 - LTE:700(B13)/AWS1700(B4)/1900(B2)
- AUvariant(Australian)
 - LTE:700(B28)/1800(B3)/2600(B7)
- LTEFDDCat.4,3GPPrelease9compliant
- Rx Diversity and MIMO DL 2x2
- SIMApplicationToolKit3GPPTS51.014
- Serialportmultiplexer3GPPTS27.010
- SMS over IMS
- BuiltinUDP/TCP/FTP/SMTPstack
- Control via AT commands according to 3GPPTS27.005,27.007andTelitCustom AT commands

Data

- LTECat.4
- Uplink up to 50 Mbps
- Downlink up to 150 Mbps
- DC-HSPA+42Mbps
[Supported on the variants with 3G fallback]

Electrical & Sensitivity

- Output power
 - Class3(0.2W,23dBm)@
- Supplyvoltage:3.3VDC+/-9%

Product Features

supported frequencies:

- EUG variant (European)
 - LTE:800(B20)/1800(B3)/2600(B7)
 - UMTS | HSPA: 900, 2100 MHz
- NAG variant (NA market - AT&T)
 - LTE:700(B17)/850(B5)/AWS1700(B4) / 1900(B2)
 - UMTS|HSPA:850,1900MHz
 - GSM|GPRS|EDGE:850,1900MHz
- NVG variant (NA market - Verizon)
 - LTE:700(B13)/AWS1700(B4)
 - UMTS|HSPA:850,1900MHz
- Embedded GPS | GLONASS receiver
- Rx Diversity and MIMO 2x2
- 3GPP release 9 compliant
- SIMApplicationToolKits3GPPTS51.014
- BuiltinUDP/TCP/FTP/SMTPstack
- IP stack with TCP and UDP protocol
- Standard and extended AT command set

Data

- Uplink up to 50 Mbps
- Downlink up to 100 Mbps
- HsPa+
- Uplinkupto5.76Mbps
- Downlinkupto42Mbps

Electrical & Sensitivity

- Output power
 - Class4(2W,33dBm) @ GSM850/ 900
 - Class1(1W,30dBm) @ GSM1800/ 1900
 - ClassE2(0.5W,27dBm) @ GSM1800/ 1900
 - ClassE2(0.4W,26dBm) @ EDGE850/ 900
 - ClassE2(0.4W,26dBm) @ EDGE 1800/1900
 - Class3(0.25W,24dBm) @ UMTS
 - Class3(0.2W,23dBm) @ LTE
- Supplyvoltage:3.3VDC+/-9%

HE910 Mini PCIe DE910 Mini PCIe

Product Features

- Supported frequencies:
 - GSM|GPRS|EDGE:850,900,1800,1900
 - UMTS|HSPA:800/850*,900,AWS1700,1900,2100 MHz
 - *BandsB6andB19(800MHz)areasubset ofB5(850MHz)andsupportedaswell.
- Optional high sensitivity GPS | A-GPS receiver (SUPL 1.0)
- Rx Diversity
- 3GPPrelease7compliant
- SIMApplicationToolKits3GPPTS51.014
- BuiltinUDP/TCP/FTP/SMTPstack
- IP stack with TCP and UDP protocol
- Standard and extended AT command set
- Available variants:
 - Voice, Data and GPS
 - Data-Only

Data

- HsP a category 6 in uplink and up to category 14 in downlink
- Uplinkupto5.76Mbps
- Downlink up to 21.0 Mbps

Electrical & Sensitivity

- Output power
 - Class4(2W,33dBm) @GSM850/ 900
 - Class1(1W,30dBm) @GSM1800/ 1900
 - Class3(0.25W,24dBm) @ UMTS
 - ClassE2(0.5W,27dBm) @EDGE850/ 900
 - ClassE2(0.4W,26dBm) @EDGE1800/ 1900
- Supplyvoltage:3.3VDC+/-9%
- Sensitivity
 - 108dBm@ UMTS
 - 107dBm@ GSM850/900MHz
 - 106dBm@ DCS1800/PCS1900MHz

Product Features

- Dual-bandEV-DORev.A800/1900MHz
- Dual-mode GPS (standalone and gpsOne®) and GLONASS
- Standard and Telit Unified AT command sets
- RX diversity for increased performance
- BuiltinUDP/TCP/IPstack
- Full voice support includes
- 2-way SMS support

Data

- CDMA1xRTT/EV-DORev.A
- Air interface IS-95A/B and CDMA 2000
- 1x EVDO (Rev. A) data up to 3.1 Mbps
- Downlinkand1.8MbpsUplink

Electrical & Sensitivity

- Supplyvoltage:3.3VDC+/-9%
- Sensitivity:
 - CDMA1x: <-108dBm
 - 1x EV-DO: <-109 dBm
- Maximum RF output power:
 - 24dBm[typical]forEVDO
 - 24.4dBm[typical]for1x

Environmental

- Dimensions:
 - 51 x 30 x 3.2 mm
 - 51x30x4.8mm (with optional sim-holder)
- Weight:10grams
- Temperature-40to+85°C
- REACH and RoHS compliant

Interfaces

- USB 2.0 HS
- USIM/SIMconnection
 - class B and class C
- SIM holder (option)
- DVI (Digital Voice Interface through the 52 pin edge connector)
- Wake
- W_Disable
- Led_wwan

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