

DATA SHEET TELIT LE910-EU V2 WIRELESS MODULE

Easy to integrate with peripherals and actuators using USB 2.0 HS, UART and user definable GPIOs

Increased connectivity performance with MIMO 2x2

Key Benefits

Ideal platform for IoT applications and devices with ultra-compact design and extended operating temperature range

Internet friendly with integrated TCP/IP and UDP/IP stacks, as well as HTTP, SMTP, FTP, SSL

Simple drop-in migration and technology design reuse path to 2G and 3G with any xE910 module

Over-the-Air firmware update

Bundle options with Telit GNSS solutions

Network

3GPP Protocol Stack Compliancy	Release 9
Support for TS.34 IoT Communication Efficiency	None
Wireless Protocol Support	
2G/GPRS	Supported
3G/UMTS	Supported
4G/LTE	Supported
Frequency Band Support	
2G Bands (MHz)	900, 1800
3G Bands (MHz)	900, 2100
4G Bands (MHz)	800, 900, 1800, 2100, 2600
3GPP Classes/Categories	
CSD	V.110 (9.6 kbps)
GPRS Multislot Class (DL/UL)	33 (107 kbps, 85.6 kbps)
EDGE Class (DL/UL)	33 (296 kbps, 236.8 kbps)
HSDPA Category (DL)	20 (42.2 Mbps)
HSUPA Category (UL)	9 (23 Mbps)
LTE Category	4 (150 Mbps, 50 Mbps)
Short Message Service (SMS)	Supported (Text, PDU, Cell Broadcast, Phonebook)

Speech Codecs	FR, HR, EFR, AMR (2G/3G)
Firmware Updates	Over-the-air update service
Positioning Support	
GPS	None
GLONASS	None
Control Plane A-GPS Support	Supported
SUPL A-GPS Support	Supported
Regulatory	
eCall	Supported
Standalone/Assisted GNSS	None
TTY	None

Hardware

Dimensions (L x W x H, mm)	28.2 x 28.2 x 2.2
Weight (g)	N/A
On-board Memory	5 MB File system, 2 MB NV memory for User Scripts
Operating Temperature – Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.3 – 4.2
Interfaces	
USB 2.0 (480 Mbps)	Supported
ASC0 HS Serial Modem	Supported
GPIO Lines	Supported
UICC and U/SIM (1.8 V/3 V)	1.8 V Supported; 3 V only with external connector
Module ON/Reset	Supported
ADC and I ² C	Supported
4-Wire HS Serial Interfaces ASC1	Supported
Analog Audio	None
Digital Audio	Supported



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Certification Details

GMA Certification	Yes
Deutsche Telekom Certification Date (Initial Firmware)	20.00.403 (21.09.2017)
Certified Deutsche Telekom Affiliates	AL, AT, CZ, DE, GR, HR, HU, ME, MK, NL, PL, RO, SK
Certifying Entity	DTAG IDU-TIV
DT Certification Type (Conditions)	Full (Limited implementation of DT modem settings requirements)

Deutsche Telekom Affiliate Country Codes

AL	Telekom Albania
AT	T-Mobile Austria GmbH
CZ	T-Mobile Czech Republic a.s.
DE	Telekom Deutschland GmbH
GR	COSMOTE Mobile Telecommunications S.A.
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