

DATA SHEET TELIT NE910C1-E1 WIRELESS MODULE

KEY BENEFITS

Design once and deploy globally, with the swappable xE910 form factor family

Perfect platform for regional IoT applications such as smart metering, security & surveillance, point of sale, health monitoring, fleet management, asset tracking and wearable devices

LTE-UE Category NB1 compliant to the latest 3GPP Release 13 enhanced Machine Type Communication (eMTC), specifically designed for IoT use cases, offering minimum power consumption and extended coverage

NETWORK

3GPP Protocol Stack Compliancy	Release 13
Support for TS.34 IoT Communication Efficiency	None
Wireless Protocol Support	
2G/GPRS	None
3G/UMTS	None
4G/LTE	None
NB-IoT	Supported
Frequency Band Support	
2G Bands (MHz)	None
3G Bands (MHz)	None
4G Bands (MHz)	None
NB-IoT Bands (MHz)	B8, B20
3GPP Classes / Categories	
CSD	None
GPRS Multislot Class (DL/UL)	None
EDGE Class (DL/UL)	None
HSDPA Category (DL)	None
HSUPA Category (UL)	None
LTE Category	None
NB-IoT Category	NB1
Short Message Service (SMS)	Text, PDU
Speech Codecs	None
Firmware Updates	UART
Integrated Positioning Technology	
GPS	Optional
GLONASS	Optional
Control Plane A-GPS Support	None

SUPL A-GPS Support	None
Regulatory	
eCall	None
Standalone / Assisted GNSS	Optional
TTY	None

HARDWARE

Dimensions (L x W x H, mm)	28.2 × 28.2 × 2.2
Weight (g)	Ca 1.0
On-board Memory	None
Operating Temperature – Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.8
Interfaces	
USB 2.0 (480 Mbps)	Supported
ASC0 HS Serial Modem	None
GPIO Lines	10
UICC and U/SIM (1.8 V/3 V)	1.8
Module ON/Reset	Supported
ADC and I2C	I2C Supported
4-Wire HS Serial Interfaces SCA1	None
Analog Audio	None
Digital Audio	None



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CERTIFICATION DETAILS

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	MOB.210002-B119 (08.08.2018)
Certified Deutsche Telekom Affiliates	AT, CZ, DE, NL, PL, SK
Certifying Entity	DTAG IDU-TIV
DT Certification Type (Conditions)	Limited (GCF certification outstanding; resolution of chipset and module-specific issues necessary, as per technical report)
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.
HR	Hrvatski Telekom d.d.
HU	Magyar Telekom Telecommunications plc
ME	Cmorgski Telekom a.d. Podgorica
MK	Makedonski Telekom AD – Skopje
NL	T-Mobile Netherlands B.B.
PL	T-Mobile Polska S.A.
RO	Telekom Romania Mobile Communications S.A.
SK	Slovak Telekom, a.s.



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