

DATA SHEET TELIT NE910C1-E1 WIRELESS MODULE

KEY BENEFITS

Low power consumption
Extended temperature range of -40 °C to +85 °C
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 Compliance	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)	800, 900
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
Protocol Support	UDP, TCP, LwM2M
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 x 28.2 x 2.2
Weight (g)	1
On-board Memory	None
Operating Temperature - Extended Operation (°C)	-40 to +85
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 V
ADC and I2C	I ² C
Serial Interfaces 1.8 V (including automatic baud rate detection)	None
Digital Audio, prepared for Analog Audio	None



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CERTIFICATION DETAILS

GMA Certification	None
Deutsche Telekom Certification Date (Initial Firmware)	MOB.210003
Certified Deutsche Telekom Affiliates	AT, CZ, DE, HR, NL, PL, SK
Certifying Entity	DTAG ITS-IVA
DT Certification Type (Conditions)	Limited
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	Comorgski 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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