

DATA SHEET TELIT GE910-GNSS WIRELESS MODULE

KEY BENEFITS

4 GSM/GPRS bands support
Unified xE910 family form factor
Python script interpreter
GNSS supported
Extended temperature range
2MB memory for application, 2MB RAM
Voice call and SMS support
Compact design (28.20 mm × 28.20 mm × 2.25 mm)

NETWORK

3GPP Protocol Stack Compliancy	Rel. 4
Support for TS.34 IoT Communication Efficiency	Supported (NFM)
Wireless Protocol Support	
2G/GPRS	Supported
3G/UMTS	None
4G/LTE	None
NB-IoT	None
Frequency Band Support	
2G Bands (MHz)	850, 900, 1800, 1900
3G Bands (MHz)	None
4G Bands (MHz)	None
NB-IoT Bands (MHz)	None
3GPP Classes / Categories	
CSD	Supported
GPRS Multislot Class (DL/UL)	10
EDGE Class (DL/UL)	None
HSDPA Category (DL)	None
HSUPA Category (UL)	None
LTE Category	None
NB-IoT Category	None
Short Message Service (SMS)	Text, PDU
2G Speech Codecs	HR,FR,EFR,AMR
3G Speech Codecs	None
Firmware Updates	UART, FOTA

Integrated Positioning Technology

GPS	Supported
GLONASS	Supported
Control Plane A-GPS Support	Supported 1)
SUPL A-GPS Support	None

Regulatory

eCall	None
Standalone / Assisted GNSS	None
TTY	None

HARDWARE

Dimensions (L x W x H, mm)	28.20 × 28.20 × 2.25
Weight (g)	3.6
On-board Memory	2 MB memory for application, 2 MB RAM
Operating Temperature – Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.22 - 4.5, 3.8 Typ.
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, 3 V
Module ON/Reset	Supported
ADC and I2C	I2C SW emulated
4-Wire HS Serial Interfaces SCA1	Supported
Digital Audio, prepared for Analog Audio	Supported



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CERTIFICATION DETAILS

GMA Certification	NO
Deutsche Telekom Certification Date (Initial Firmware)	11-07-2018 (13.01.100)
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 certification
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	Comrgski 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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