

DATA SHEET TELIT LE910-EU1 WIRELESS MODULE

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

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

Key Benefits

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

Network

| | |
|---|--|
| 3GPP Protocol Stack Compliancy | Release 9 |
| Support for TS.34 IoT Communication Efficiency | None |
| Wireless Protocol Support | |
| 2G/GPRS | Supported |
| 3G/UMTS | None |
| 4G/LTE | Supported |
| Frequency Band Support | |
| 2G Bands (MHz) | 900, 1800 |
| 3G Bands (MHz) | None |
| 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) | None |
| HSUPA Category (UL) | None |
| LTE Category | 1 (10 Mbps, 5 Mbps) |
| Short Message Service (SMS) | Supported (Text, PDU, Cell Broadcast, Phonebook) |
| Speech Codecs | FR, HR, EFR, AMR (2G/3G) |

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|-----------------------------|-----------------------------|
| 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) | 3.4 - 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

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|--|---|
| GMA Certification | Yes |
| Deutsche Telekom Certification Date (Initial Firmware) | 20.00.413 (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. |
| HR | Hrvatski Telekom d.d. |
| HU | Magyar Telekom Telecommunications plc |
| ME | Crnogorski Telekom a.d. Podgorica |
| MK | Makedonski Telekom AD – Skopje |
| NL | T-Mobile Netherlands B.V. |
| PL | T-Mobile Polska S.A. |
| RO | Telekom Romania Mobile Communications S.A. |
| SK | Slovak Telekom, a.s. |



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