UE910-EU V2
AUTO

UMTS | HSDPA 3.6M/384K   Embedded

28.2 mm

2.2 mm

28.2 mm

Product Description

The UE910-EU V2 AUTO is the new ruggedized variant of the UE910-V2 family designed for use in the most demanding of automotive applications and manufactured under ISO TS16949 specification. The UE910 V2 product family is a member of the Telit x910 family. It offers an HSDPA module with dual-band in 2G and 3G, featuring both analog and digital audio and designed on the xE910 LGA unified form factor. The UE910-EU V2 AUTO allows the integration of automotive and other applications requiring assured extended operating temperature range and mechanical ruggedness within the ever-shrinking space inside electronics bays in trucks, automobiles, and other mobile platforms. The UE910-EU V2 AUTO also offers in-band modem capability and is compliant with eCall EU directive. The eCall project is sponsored by the European Commission and it's based on the EU directive E112.

Key Benefits

- Ideal for 3G applications for the European OEM and Aftermarket Automotive with full ISO TS16949 quality processes

- Internet application friendly with integrated TCP/IP and UDP/IP stacks

- Voice-capable for applications requiring either analog or digital (DVI) interfaces

- Over-the-Air firmware update (OMA-DM compliant) by means Premium FOTA Management

Family Concept

The UE910-EU V2 AUTO adds the Telit xE910 form factor family a cost optimized, long-term available 2G variant enabling integrators and developers to design applications once and take advantage of the global coverage and service flexibility afforded by the broad set of companion products in all prevalent cellular technologies worldwide. As a member of the xE910 family features complete pin-to-pin compatibility with companion products in GSM/GPRS, UMTS/HSPA, HSPA+, CDMA 1xRTT, EV-DO and LTE.

AVAILABLE FOR

- EMEA
  - North America
  - Latin America
- APAC
- Korea
  - Australia

Combine your **Cellular** module with

- Short Range modules

- GNSS modules

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Complete, Ready to Use Access to the Internet of Things

Telit Modules + m2mAIR Value-Added Services including Connectivity

m2mair
by Telit m2m experts

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ONE STOP.
ONE SHOP. NOW, INNOVATE!

QUALITY
INVESTMENT PROTECTION
BUSINESS SCALABLE
EASE OF INTEGRATION

UE 910-EU V2

AUTO

Product features

- Supported bands
  - 2 Bands GSM / GPRS / EDGE 900 / 1800 MHz
  - 2 Bands UMTS / HSDPA 900 / 2100 MHz
- GPRS and EDGE class 12
- SIM Access Profile
- 3GPP release 5 compliant
- Control via AT commands according to 3GPP TS27.005, 27.007 and customized Telit AT commands
- Serial port multiplexer 3GPP TS27.010
- SIM application Tool Kits 3GPP TS 51.014
- Built in UDP/TCP/FTP/SMTP stack
- Manufactured under TS16949 Quality specifications
- Additional support for Java J2ME 3.4
- eCall compliant according to 3GPP TS26.267

Data

HSDPA
- Uplink up to 384 kbps
- Downlink up to 3.6 Mbps (cat-6)

WCDMA
- Uplink/Downlink up to 384 kbps

EDGE
- Uplink up to 236.8 kbps
- Downlink up to 236.8 kbps

GPRS
CSD

Enviromental

- Small dimensions 28.2 x 28.2 x 2.2 mm
- Extended temperature range -40 +85 °C
- Environmmental Test
  - ISO 16750-1
  - ISO 16750-3
  - ISO 16750-4

Interfaces

- 10 I/O ports maximum including multifunctional I/Os
- I2S
- USB 2.0 HS
- 2 UART
- I2C
- ADC converter
- 1.8 V / 3 V SIM interface

Approvals

- REACH and RoHS Compliant
- CE, R&TTE, GCF (Europe)
- Country approvals and MNO certifications

Electrical & Sensitivity

- Output power
  - Class 4 (2 W, 33 dBm)   @ GSM 900
  - Class 1 (1 W, 30 dBm)   @ GSM 1800
  - Class 3 (0.25 W, 24 dBm) @ UMTS
  - Class E2 (0.5 W, 27 dBm) @ EDGE 900
  - Class E2 (0.4 W, 26 dBm) @ EDGE 1800
- Sensitivity
  -108 dBm @ UMTS
  -108 dBm @ GSM 900 MHz
  -107 dBm @ DCS1800 MHz
- Supply voltage
  - Nominal: 3.8 VDC
  - Range: 3.4 - 4.2 VDC

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