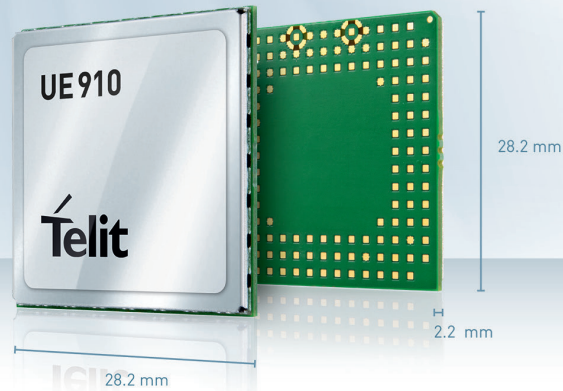


● ● **UE 910**

UMTS | HSPA 7.2/5.76 Embedded



Product Description

The UE910 is an HSPA 7.2 Mbps technology member of the xE910 family. The UE910 series includes low-cost, dual-band 3.5G variants offered in the xE910 LGA unified form factor positioned for global applications not requiring global coverage, particularly for those designated fixed-wireless such as utility metering, and home and commercial security; and those with limited on-region mobility such as POS and logistics terminals.

The UE910 offers voice-capable variants featuring both analog and digital audio, as well as data-only models.

Key Benefits

- Design once and deploy globally, thanks to xE910 unified form factor
- Band groups available for global coverage
- LGA package ideally suited for low profile integrated solutions, reducing cost in high-volume applications, as well as saving space and weight in portable devices
- Perfect platform for regional applications such as vending systems, POS, smart grid, security and surveillance
- Voice capable variants for applications requiring voice communications

Family Concept

The xE910 Unified Form Factor family is comprised of pin-to-pin compatible modules in Telit's broadest range of cellular air interfaces and band combinations making it a pillar of the concept "design once and deploy globally".

A one-time design and integration effort enables worldwide or regional device re-use across different data rates and wireless technologies with air interfaces in GSM/GPRS, UMTS/HSPA+, 1xRTT, EV-DO, and LTE (pre-release).

The xE910 family was conceived to enable applications to be easily upgraded in a number of ways. For example: migrating from 2G to 3G or 4G; or upgrading from 2 bands to 3, 4, or more. The family fully preserves the core design of the application or device from launch to phase-out with modules packaged in a common 28.2x28.2 mm LGA footprint. It is recommended for mid to high-volume, compact sized applications.

Telit m2mLOCATE

This product supports m2mLOCATE, a Telit cloud-based service that provides a device's position based on observed cellular Cell-IDs. Accessing a database of over 40 million cell-IDs globally, m2mLOCATE can provide a position for every use-case including indoors/underground, outdoors, and boundary situations.



m2mAIR Ready

This product is capable of supporting the extensive suite of m2mAIR value-added services and connectivity you can use to enhance your application and boost your competitive advantage.

Find more information on www.m2mair.com

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- Latin America
- APAC
- Africa
- Russia

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ONE STOP.
ONE SHOP. NOW, INNOVATE!



UE910

	UE910-EUR	UE910-EUD	UE910-NAR	UE910-NAD
Market	EMEA/ APAC	EMEA/ APAC	Noth America	Noth America
Upload HSUPA (Mbps)	5.76	5.76	5.76	5.76
Download HSDPA (Mbps)	7.2	7.2	7.2	7.2
Frequencies				
UMTS HSPA bands (MHz)	900/2100	900/2100	850/1900	850/1900
GSM GPRS EDGE bands (MHz)	900/1800	900/1800	850/1900	850/1900
Features				
Data	•	•	•	•
Voice	•		•	

Product Features

- Supported bands
- EUx variants:
 - 2 Bands GSM/GPRS/EDGE 900/1800 MH
 - 2 Bands UMTS/HSPA 900/2100 MHz
- NAX variants:
 - 2 Bands GSM/GPRS/EDGE 850/1900 MH
 - 2 Bands UMTS/HSPA 850/1900 MHz
- Optional SIM-chip
- SIM Access Profile
- 3GPP release 7 compliant
- Control via AT commands according to 3GPP TS27.005, 27.007 and customized AT commands
- Standard and extended AT command set Approvals
- Serial port multiplexer 3GPP TS27.010
- SIM application Tool Kits 3GPP TS 51.01
- Built in UDP/TCP/FTP/SMTP stack
- Digital or Analog voice and SMS
- IP stack with TCP and UDP protocol

Data

HSPA category 6 in uplink and up to category 8 in downlink

- Uplink up to 5.76 Mbps
- Downlink up to 7.2 Mbps

UMTS

- Uplink/Downlink up to 384 kbps

EDGE

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

GPRS

CSD

Physical & Environmental

- Small dimensions 28.2 x 28.2 x 2.2 mm
- Extended temperature range

Interfaces

- 10 I/O ports maximum including multifunctional I/Os
- I2S for digital audio interface
- USB 2.0 HS, HSIC
- 2 UART
- SPI
- I2C
- 1.8 V / 3 V SIM interface

Approvals

- RoHS Compliant
- CE, GCF (Europe)
- FCC, PTCRB, IC (North America)

Electrical & Sensitivity

- Output power
 - Class 4 (2 W, 33 dBm) @ GSM 850 / 900
 - Class 1 (1 W, 30 dBm) @ GSM 1800 / 1900
 - Class 3 (0.25 W, 24 dBm) @ UMTS
 - Class E2 (0.5 W, 27 dBm) @ EDGE 850 / 900
 - Class E2 (0.4 W, 26 dBm) @ EDGE 1800 / 1900
- Sensitivity
 - -111 dBm @ UMTS
 - -109 dBm @ GSM 850 / 900 MHz
 - -110 dBm @ DCS1800 / PCS1900 MHz
- Supply voltage
 - Nominal: 3.8 VDC
 - Range: 3.4 - 4.2 VDC

Software and Application Development

- Python* version= 2.7.2
- Python* script interpreter(module takes the application code directly in the Python* language)
- Memory: 2MB of NV memory for the user scripts and 2 MB RAM for the Python engine usage

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