

DATA SHEET TELIT UE866-EU WIRELESS MODULE

Smallest module in Telit's 3G portfolio

Design once and deploy globally, with the xE866 pinto-pin compatible form factor family

Key Benefits

Compact LGA package is ideally for low profile integrated solutions with space constraints, reducing costs and weight

Over the air firmware update

Built-in UDP/TCP/FTP/SMTP stack, IP stack with TCP and UDP protocol

Supports IoT LOCATE, a Telit portal-based service providing device's position based on observed cellular CellIDs

Ideal solution for Applications in wearables, telematics, UBI applications, fleet management and asset tracking

Network

3GPP Protocol Stack Compliancy	Release 7
Support for TS.34 IoT Communication Efficiency	None
Wireless Protocol Support	
2G/GPRS	Supported
3G/UMTS	Supported
4G/LTE	None
Frequency Band Support	
2G Bands (MHz)	900, 1800
3G Bands (MHz)	900, 2100
4G Bands (MHz)	None
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)	8 (7.2 Mbps)
HSUPA Category (UL)	6 (5.76 Mbps)
LTE Category	None
Short Message Service (SMS)	Supported (Text, PDU, Cell Broadcast, Phonebook)
Speech Codecs	FR, HR, EFR, AMR (2G/3G)

Firmware Updates

Premium over-the-air update service

Positioning Support

GPS	None
GLONASS	None
Control Plane A-GPS Support	None
SUPL A-GPS Support	None

Regulatory

eCall	Supported
Standalone/Assisted GNSS	None
TTY	None

Hardware

Dimensions (L x W x H, mm)	25 x 15 x 2.2
Weight (g)	N/A
On-board Memory	5 MB File system, 2 MB RAM for Applications
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

GMA Certification	Yes
Deutsche Telekom Certification Date (Initial Firmware)	12.00.001 (09.03.2012)
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 Certification Date (Firmware Update 1)	12.00.003 (09.11.2012)
Deutsche Telekom Certification Date (Firmware Update 2)	12.00.005 (16.05.2014)
Deutsche Telekom Certification Date (Firmware Update 3)	12.00.008 (21.10.2016)
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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