

# DATA SHEET TELIT GL865-DUAL V3 WIRELESS MODULE

Automated manufacturing process friendly product in its small compact LCC/VQFN packaging

Battery friendly operation with 1.8V GPIOs

## Key Benefits

Easy to bundle with external GPS | GLONASS receivers

Over-the-Air firmware update by means of Premium FOTA Management

Complete SMT platform for M2M solutions with embedded Python Script Interpreter

Jamming detection

Ideal for security alarms, automated meter reading, and POS terminals; (with external GPS) fleet management, tracking

## Network

<b>3GPP Protocol Stack Compliancy</b>	Release 6/7
<b>Support for TS.34 IoT Communication Efficiency</b>	Partial (NFM)
<b>Wireless Protocol Support</b>	
2G/GPRS	Supported
3G/UMTS	None
4G/LTE	None
<b>Frequency Band Support</b>	
2G Bands (MHz)	900, 1800
3G Bands (MHz)	None
4G Bands (MHz)	None
<b>3GPP Classes/Categories</b>	
CSD	V.110 (14.4 kbps)
GPRS Multislot Class (DL/UL)	12 (85.6 kbps, 85.6 kbps)
EDGE Class (DL/UL)	12 (237 kbps, 237 kbps)
HSDPA Category (DL)	None
HSUPA Category (UL)	None
LTE Category	None

<b>Short Message Service (SMS)</b>	Supported (Text, PDU, Cell Broadcast, Phonebook)
<b>Speech Codexs</b>	FR, HR, EFR, AMR
<b>Firmware Updates</b>	Premium over-the-air update service
<b>Positioning Support</b>	
GPS	None
GLONASS	None
Control Plane A-GPS Support	None
SUPL A-GPS Support	None
<b>Regulatory</b>	
eCall	Supported
Standalone/Assisted GNSS	None
TTY	Supported

## Hardware

Dimensions (L x W x H, mm)	24.4 x 24.4 x 2.6
Weight (g)	2.8
On-board Memory	800 kB NV for User Scripts, 1 MB RAM for Python Engine
Operating Temperature - Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.1 - 4.5
<b>Interfaces</b>	
USB 2.0 (480 Mbps)	None
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 <sup>2</sup> C	Supported
4-Wire HS Serial Interfaces ASC1	Supported
Analog Audio	Supported
Digital Audio	Supported



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## Certification Details

GMA Certification	Yes
Deutsche Telekom Certification Date (Initial Firmware)	16.01.143 (19.04.2017)
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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