

DATA SHEET TELIT GL865-QUAD V3.1 WIRELESS MODULE

KEY BENEFITS

4 GSM/GPRS bands support
Full HW and SW compatibility with previous V3 generation – direct replacement path
Pin-to-pin compatibility with 3G variant – UL865
Recommended for new 2G cost-sensitive designs
Recommended for applications requiring ultra low power consumption
Ideal for applications in security alarm systems, automated meter readings and POS terminals
GNSS supported – external module needed
Python script interpreter
800 kB memory for application, 1 MB RAM
Voice call and SMS support
Compact design (24.4 mm × 24.4 mm × 2.6 mm)

NETWORK

3GPP Protocol Stack Compliancy	Rel. 4
Support for TS.34 IoT Communication Efficiency	Supported (NFM)
Wireless Protocol Support	
2G/GPRS	Supported
3G/UMTS	None
4G/LTE	None
NB-IoT	None
Frequency Band Support	
2G Bands (MHz)	850, 900, 1800, 1900
3G Bands (MHz)	None
4G Bands (MHz)	None
NB-IoT Bands (MHz)	None
3GPP Classes / Categories	
CSD	Supported
GPRS Multislot Class (DL/UL)	10
EDGE Class (DL/UL)	None
HSDPA Category (DL)	None
HSUPA Category (UL)	None
LTE Category	None
NB-IoT Category	None

Short Message Service (SMS)	Text, PDU
2G Speech Codecs	HR,FR,EFR,AMR
3G Speech Codecs	None
Firmware Updates	UART, FOTA
Integrated Positioning Technology	
GPS	Supported 1)
GLONASS	Supported 1)
Control Plane A-GPS Support	Supported 1)
SUPL A-GPS Support	None
Regulatory	
eCall	None
Standalone / Assisted GNSS	None
TTY	None

HARDWARE

Dimensions (L x W x H, mm)	24.4 × 24.4 × 2.6
Weight (g)	2.8
On-board Memory	800 kB memory for application, 1 MB RAM
Operating Temperature – Extended Operation (°C)	-40 °C to +85 °C
Supply Voltage Range (V)	3.22 - 4.3, 3.8 Typ.
Interfaces	
USB 2.0 (480 Mbps)	Supported
ASC0 HS Serial Modem	None
GPIO Lines	8
UICC and U/SIM (1.8 V/3 V)	1.8 V, 3 V
Module ON/Reset	Supported
ADC and I2C	Supported (ADC)
4-Wire HS Serial Interfaces SCA1	Supported
Digital Audio, prepared for Analog Audio	Optional



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CERTIFICATION DETAILS

GMA Certification	NO
Deutsche Telekom Certification Date (Initial Firmware)	11-07-2018 (16.01.164)
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)	Limited certification
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	Comorgski Telekom a.d. Podgorica
MK	Makedonski Telekom AD – Skopje
NL	T-Mobile Netherlands B.B.
PL	T-Mobile Polska S.A.
RO	Telekom Romania Mobile Communications S.A.
SK	Slovak Telekom, a.s.



CONTACT

Deutsche Telekom AG
Friedrich-Ebert-Allee 140
53113 Bonn
iot-device-support@telekom.de



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