GL865-QUAD V4

GSM | GPRS Embedded

24.4 mm

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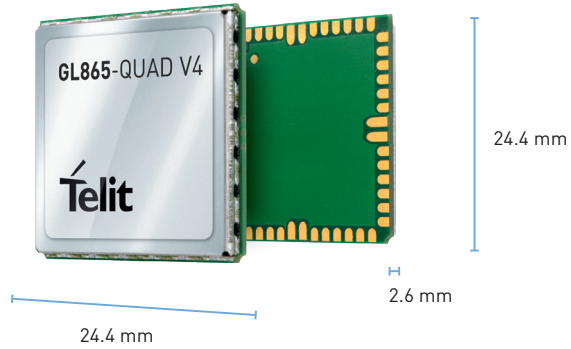2.6 mm

Product Description

The GL865-QUAD V4 is a cost optimized GSM|GPRS module for 4G-era applications.

The product is highly recommended for new designs requiring quad band GSM|GPRS coverage in a compact and robust VQFN package delivering easy integration , long term availability and reduced cost.

- Automated manufacturing process friendly product in its small footprint

- Ideal solution for applications in security alarm systems, automated meter reading, and POS terminals. Battery friendly operation with 2.8V GPIOs

Variants

Global quad-band coverage. Limited operator coverage in North America due to 2G footprint reduction policies.

AVAILABLE FOR

EMEA

**Complete,
Ready-to-Use Access**
to the Internet of Things

IoT Modules   Connectivity Plans   Software & Platforms

Connecting the world
from the **inside out**

GL865-QUAD V4

Product Features

- VQFN form factor
- Quad band GSM | GPRS
- 850/900/1800/1900 MHz
- Control via AT commands according to 3GPP TS 27.005, 27.007
- SIM access profile
- FTP/TCP/IP stack access via AT commands
- SIM application toolkit 3GPP TS 51.014
- Telephony, emergency call
- Half rate, full rate, enhanced full rate and adaptive multi rate voice codecs (HR, FR, EFR, AMR)
- Point-to-point mobile originated and mobile terminated SMS
- Concatenated SMS supported
- SMS cell broadcast
- Text and PDU mode
- SMS over GPRS
- Call forwarding
- Call barring
- Call waiting & call hold
- Advice of charge
- Calling line identification presentation (CLIP)
- Calling line identification restriction (CLIR)
- Unstructured supplementary services mobile originated data (USSD)
- SIM phonebook
- Fixed dialing number (FDN)
- Network LED support
- IRA, GSM, 8859-1 and UCS2 character set

Data

- Asynchronous non-transparent CSD up to 9.6 kbps
- V.110
- GPRS class 12
- Mobile station class B
- Coding scheme 1 to 4

Environmental

- Dimensions 24.4 x 24.4 x 2.6mm
- Weight: 2.8 grams
- Extended temperature range:
  -40°C to +85°C (operational)
  -40°C to +85°C (storage temperature)

Interfaces

- 8 I/O ports maximum 2.8 V (logical level)
- Analog Audio (balanced), digital audio
- 2 A/D,1 A/D converters
- I2S
- ITU-T V.24 serial link through CMOS UART
  -Baud rate from 300 to 115,200 bps
  -Autobauding up to 115,200 bps

Approvals

- RED directive

Electrical & Sensitivity

- Output power
  - Class 4 (2W) @ 850/900 MHz
  - Class 1 (1W) @ 1800/1900 MHz
- Supply voltage range:
  3.4 - 4.2 V DC (3.8 V DC recommended)