



GSM | GPRS

G24-LITE
 Compact



-  **Quad Band GPRS**
-  **GPRS Class 10**
-  **Ultra Compact**
-  **RoHS Compliant**
-  **Extended RF Sensitivity**
-  **Embedded TCP/IP Stack**

Take advantage of M2M. We've invented the "Lite" version of the G24 for large-scale M2M systems that have simple functional needs. With a price tag that matches its name, G24-LITE offers Telit quality and a specifically selected feature set for a whole new generation of M2M.

Now, more systems and environments can reap the benefits of going wireless. If you thought that M2M was too prohibitive for you to consider, think again. Telit has made M2M affordable for your specific needs. Do you have hundreds of thousands of meters that need to be read across the country? Do you want to automate service to your thousands of outsourced machines throughout the metropolitan area? Then opt for G24-LITE and let your machines do the talking. Streamline the way you work and do wonders for your bottom line.

The G24-LITE is part of the Telit family, which means quality and long-term relationship. We nurture our bond with you so you can create successful relationships with your customers.

Telit is more than the sum of its products. We are service providers. We accompany you through the design stage, deliver specialized assistance through accreditation and provide dedicated support for any upgrades, additions or questions you may have in the future. As wireless pioneers who have introduced numerous technologies in the field, we know our business. And we're here to stay.

Product Features

Supported Bands

- GSM Quad Band
 850/900/1800/1900 MHz

Physical

- Size: 24.4 x 45.2 x 5.8 mm
 (6.5mm stacking height)
- Mounting: two 2.4 mm holes
- Weight: 9 gram

Environmental

- Operating temperature: -20°C to +75°C
- Storage temperature: -40°C to +85°C

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Performance

Operating Voltage

- Voltage: 3.3 - 4.2V

Current Consumption

- < 2.5mA @DRX9 (Sleep mode)

TX Power

- 850/ 900 MHz – Class 4 (2 Watt)
- 1800/1900 MHz – Class 1 (1Watt)

Typical RX sensitivity

- -106dBm (4dB margin on top of spec)

Interfaces

Connectors

- Single 70 pin board to board
- RF MMCX

SIM Card

- 3.0V / 1.8V
- STK 3.1

Connectivity

- USB 1.1 full speed
- UART: baud rate from 300 bps to 115.2 Kbps
- Auto baud rate

Data Features

GPRS

- Multi-slot class 10
- Max baud rate Downlink 85.6 Kbps
- Coding Scheme CS1-CS4
- Embedded TCP/IP and UDP/IP
- On-Line Data Mode support

CSD

- Max BR 14.4 Kbps

SMS

- MO/MT Text and PDU modes
- Cell broadcast

Voice Features

- Telephony
- Digital audio
- Differential analog audio lines
- Vocoders EFR/HR/FR/AMR
- DTMF support
- Audio control: echo suppression; noise suppression; side tone; gain control

GSM Supplementary Service

- USSD phase II
- Call forwarding
- Call hold; waiting; multiparty
- Call diverting
- Missed call indicator
- AOC
- Call barring

Character Set

- UTF8
- UCS2
- GSM
- IRA
- HEX

Control / Status Indications

- 8 GPIO's
- 3x A/D general purpose converters
- GSM/GPRS coverage
- Wake up in/out
- Antenna presence detect

AT Command Set

- GSM 07.05
- GSM 07.07
- Proprietary AT commands

Battery Charger – Model Dependant

- Supports 3.7V Lithium-Ion battery
- 500 mA max charging capability
- Complies with EN60950 and IEEE-1725
- Battery safety temperature measurement

Regulatory and Approvals

- FCC, IC
- ANATEL (Brazil)
- COFETEL (Mexico)
- CMII (China)
- PTCRB
- R&TTE/CE
- GCF
- RoHS/WEEE/CCC



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