



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.

round solutions

Round Solutions GmbH & Co KG
info@roundsolutions.com
Phone: +49 (0) 6102 799 28 0
Fax: +49 (0) 6102 799 28 199
www.roundsolutions.com

Hans-Boeckler-Strasse 16
63263 Neu-Isenburg, Germany
Director B.G. Hoelke

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

G24 - LITE

Compact



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

Telit® wireless solutions

Telit Communications S.p.A.
Via Stazione di Prosecco, 5/B
I-34010 Sgonico (Trieste), Italy
Tel +39 040 4192 200
Fax +39 040 4192 289
E-Mail: EMEA@telit.com

Telit Wireless Solutions Inc.
3131 RDU Center Drive, Suite 135
Morrisville, NC 27560, USA
Tel +1 888 846 9773 or +1 919 439 7977
Fax +1 888 846 9774 or +1 919 840 0337
E-Mail: NORTHAMERICA@telit.com

Telit Wireless Solutions Inc.
Rua Cunha Gago, 700 - cj 81, Pinheiros
São Paulo - SP, 05421001, Brazil
Tel +55 11 2679 4654
Fax +55 11 2679 4654
E-Mail: LATINAMERICA@telit.com

Telit Wireless Solutions Co., Ltd.
12th FL, Shinyoung Securities Bld.
34-12, Yeouido-dong, Yeongdeungpo-gu
Seoul, 150-884, Korea
Tel. +82 2 368 4600
Fax +82 2 368 4606
E-Mail: APAC@telit.com

www.telit.com

www.telit.com/ebook

round solutions

Distributed by:

Round Solutions GmbH & Co KG
info@roundsolutions.com
Phone: +49 (0) 6102 799 28 0
Fax: +49 (0) 6102 799 28 199
www.roundsolutions.com

Hans-Boeckler-Strasse 16
63263 Neu-Isenburg, Germany
Director B.G. Hoelke

Copyright © 2011, Telit - Subject to changes in technology, design and availability

* Copyright © 1991-1995 by Stichting Mathematisch Centrum, Amsterdam, The Netherlands; All Rights Reserved.
Copyright © 1995-2001 Corporation for National Research Initiatives; All Rights Reserved.
Copyright © 2001-2010 Python Software Foundation; All Rights Reserved.
All Rights Reserved are retained in Python.