



Key Features

- Quad band GPRS
- GPRS class 10
- AT command driven
- RoHS compliant
- Extended temperature range
- Extended RF sensitivity
- Embedded TCP / IP stack
- Python script interpreter
- 5 - 60V DC supply
- 5 general purpose I/O

Additional Features

- » SIM phonebook
- » Fixed dialling number (FDN)
- » Real-time clock
- » Network LED support
- » IRA character set
- » Jamming detection and report
- » Embedded TCP / IP stack, including TCP, ICP, UDP, SMTP and FTP protocols
- » TMFS (Telit Firmware Management Services)
Over the air update
- » 3 x LED for status indication
- » 1 A/D converter
- » RJ12 power connector

General Description

The ZETA-N-GPRS (previously known as the SQ864E-GPRS) is an industrial modem solution for wireless M2M applications.

The ZETA-N-GPRS offers a high level of GSM/GPRS functions in a compact plug and play housing with a host of interfaces that allow you to easily incorporate with your system. Together with its small size and advanced set of features it integrates perfectly to into a wide range of M2M applications.

The ZETA-N-GPRS is fully EMC tested and compliant for the most stringent of conditions. This modem has been tested by some of the largest organisations and has been signed off for use by many large corporations as having the quality and the price point.

ZETA-N-GPRS allows you to communicate to your equipment with CSD and GPRS data services provided by the network providers. Incorporating the quad band GPRS

class 10 technology the ZETA-N-GPRS operates around the globe and with an extended temperature range can be used in harsh environments.

The integrated TCP/IP stack greatly simplifies network services such as connecting to the internet, sending emails, connecting to an FTP server and opening data socket connections through simple and easy to use AT commands. With the broad supply voltage range (5-60 V DC) the ZETA-N-GPRS can be used in a range of embedded and real world solutions.

With its advanced features, robustness, plug and play ease of use and state of the art GPRS functions, the ZETA-N-GPRS is ideal for use in many varied applications such as: remote monitoring & control, AMR meter reading, telemetry, logistics, diagnostics, remote access, vending and security.

Rev 1.5

ZETA-N-GPRS

2G RS232 Modem without GPS

Specifications - Electrical

Operating temperature range:	-40 to +85°C
Storage temperature range:	-40 to +85°C
Impedance:	50 ohm
Operating frequencies:	Quad-band EGSM 850, 900, 1800, 1900MHz
Power:	5 to 60 VDC (RJ12)
Output power:	Class 4 (2W) @ 850, 900MHz Class 1 (1W) @ 1800, 1900MHz
Supply voltage range:	5 - 60V DC
Sensitivity:	107dBm (typ.) @ 850, 900MHz 106 dBm (typ.) @ 1800, 1900MHz

Product features:

- » Control via AT commands according to GSM 07. 05, 07. 07
- » Serial port multiplexer GSM 7.10
- » TCP / IP stack access via AT commands
- » RoHS compliant

Interfaces:

- » Sim card holder: 1.8V / 3V interface
- » Mini USB interface for GPIO interface

Approvals:

- » Fully type approved conforming with R&TTE directive

GPRS Data:

- » GPRS class 10
- » Mobile station class B
- » Coding scheme 1 to 4

Specifications - Mechanical

Dimensions:	93mm x 67mm x 28mm
Weight:	101g
Serial connector:	Sub D9 RS232 female
Antenna connector:	SMA female

SMS:

- » Point-to-point mobile originated and mobile terminated SMS
- » Concentrated SMS supported
- » SMS cell broadcast
- » Text and PDU mode
- » SMS over GPRS

GSM Supplementary:

- » Call forwarding
- » Call barring
- » Call waiting and call hold
- » Advice of charge
- » Calling line identification presentation (CLIP)
- » Calling line identification restriction (CLIR)
- » Unstructured supplementary services mobile data (USSD)
- » Closer user group

Circuit Switched Data Transmission:

- » Asynchronous non-transparent CSD up to 9.6kbps

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