

## **ZEST-N-GPRS (EU)**

Low Cost GPRS Modem with RS232  
Serial Port Interface

### **Key Features**

- RS232 serial port interface
- GPRS EU coverage
- Dual band 900 / 1800MHz
- Python script for customer development applications
- AT command driven
- Supply voltage capability 6-18V
- Wall or DIN rail mountable
- Compact size
- 105 grams weight



### **General Description**

The ZEST is an entry level industrial cellular modem, with serial RS232 port, offering key functionality within a rugged plastic enclosure. The ZEST is ideal for M2M applications requiring a simple but reliable modem for GPRS data connection, using the standard RS232 interface. The USB port can be used to provide power for a standard USB power supply. The ZEST is a dual band GPRS modem providing EU coverage, for the EMEA and APAC regions. Further configurations including global quad band GPRS and 3G / UMTS are also available on request.

Despite its highly competitive price, the ZEST is built to the same exacting standards as the rest of the Siretta modem family. The ZEST will be a popular choice for many situations requiring just GPRS connectivity, and the flexible 6-18V power supply and a -40°C to +85°C operating temperature range allows the product to be used in most industrial applications.

The ZEST enclosure comes ready to be either wall mounted or DIN rail mounted, an unusual feature at this price point. This capable low cost modem offers full nine pin functionality at the RS232 port to cater for all application requirements. It will be at home in any of the following applications: automatic meter reading, remote vending machine management, LED signage, POS connectivity and many other situations requiring GPRS connectivity in a reliable compact package measuring just 75 x 84 x 31mm.

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### Electrical Specifications

Interfaces:	RS232 serial port
Operating frequencies:	Dual Band GSM: 900, 1800MHz
Temperature range:	-40 to +85°C
Power supply:	6 - 18V

### Cellular Interface

Standard:	GSM / GPRS / EDGE
GPRS:	Max 86kbps (DL & UL), class 10
EDGE:	Max 236.8kbps (DL & UL), Class 12
Frequency:	GPRS & EDGE: 800/900/1800/1900MHz
CSD:	Up to 9.6kbps
SIM:	1 x (3V & 1.8V)
Antenna interface:	SMA female

### Serial Interface

Ports:	1 x DB9 female
Serial standards:	RS232
ESD protection:	± 15KV
Parameter:	1200bps to 115200bps
RS232:	DCD, RxD, TxD, DTR, GND, DSR, RTS, CTS, RI

### USB Interface

Ports:	1 x Mini B USB Female
Speed:	USB 2.0 high speed 480(Mbit/s)
ESD protection:	15kV

### System

LED indicators:	RUN
Data link:	100 to 200mA (peak) @ 12V

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### Mechanical Specifications

Dimensions:	75 x 84 x 31mm (see drawing below)
Weight:	105g
Antenna connector:	SMA Female (GSM)
Mounting method:	DIN Rail or Screw Mount

