

I S A

Intelligent Sensing Anywhere

Features

- Quad Band EGSM
850/900/1800/1900MHz
- GPRS class 10
- Output Power
 - Class 4 (2W @ 850/900MHz)
 - Class 1 (1W @ 1800/1900MHz)
- Control via AT commands
- Embedded TCP/IP Protocol Stack
- Integrates full 20-channel GPS functionality
- Position resolution accuracy of less than 2,5m
- 2 SMA antenna (GSM and GPS) pads
- Short Message Services (SMS)
- Fax features: group 3, class 1
- Low power consumption
- SIM holder integrated
- 3V/1.8 SIM interface
- Activity Status Indication Interface
- Normal operation temperature: -30 to 80°C
- Physical Dimensions: 60,3mm × 71,3mm

SocketModem GPS

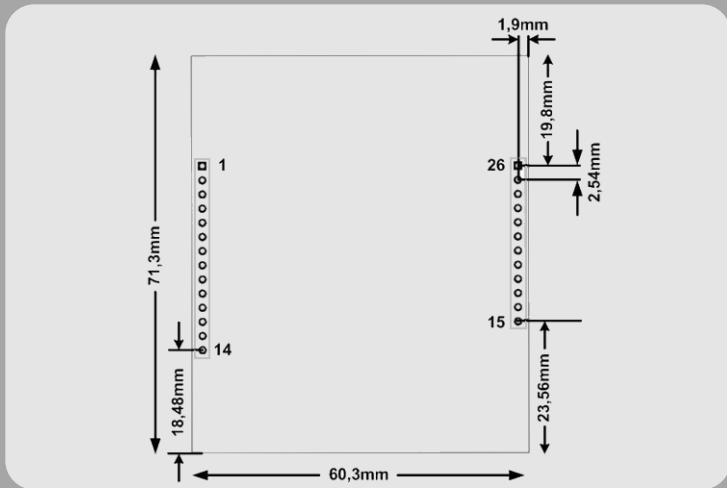
The SocketModem GPS is a complete ready-to-integrate communication device based on the Telit GE863 GPS module which is a combined GSM/GPRS/GPS device. The combination of these 3 technologies in a unique module enables any new asset tracking application like in the fields of transportation, logistics and security.

Interchangeable Devices

The SocketModem GPS is pin compatible with the SocketModem I and SocketModem II which enables the easy migration to any of these technologies, as well as to future technologies that may be developed.



Pin Description and Mechanical Outline



Pin	Name	I/O	Description
1	SIM_DATA	I/O	SIM Signal: Data I/O
2	SIM_CLK	I	SIM Signal: Clock
3	SIM_RST	I	SIM Signal: Reset
4	SIM_VCC	I	SIM Signal: Power
5, 6, 9	NC	I	Not Connected
7	RX2	I	Receive Serial Data
8	TX2	O	Transmit Serial Data
9	DSR	O	Data Set Ready
10	DCD	O	Data Carrier Detect
11	DTR	I	Data Terminal Ready
12	RI	O	Ring Indicator
13	OE	I	Output Enable
14, 15, 24	GND	-	Ground
16	CTS	O	Clear To Send
17	RTS	I	Request To Send
18	RX	I	Receive Serial Data
19	TX	O	Transmit Serial Data
20	STATUS	O	Modem Status Indicator
21	IGNITION	I	Modem Ignition
22	LED_OUT	O	LED Status Indicator
23	VCCIO	-	I/Os' Supply Voltage
25,26	VCC	-	Supply Voltage

Electrical Characteristics

- Operating voltage range: 2.5V to 3.6V
- Standby current, idle mode: 4mA
- Supply current, RX mode: 35.6mA
- Supply current, TX mode: 39.6mA
- Typical output power: +0dBm

Applications

- Home security and alarm
- Remote control
- Telemetry
- Process access and building controls
- Home automation
- Home appliances interconnections
- Automated meter reading
- Industrial automation
- Wireless sensors
- Remote data logging
- Remote telemetry
- Personal Area Network
- PC peripherals



Product in conformity with the ETSI 300386 norms; EN 55022 and EN 61000, according to the requirements of the Directive EMC 89/336/CEE, altered by Directives 92/31/CEE and 93/68/CEE.

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