

Features

- EGSM/GPRS 900/1800/850/1900MHz
- Hardware GSM/GPRS class 10 capable
- Power Output:
 - 2W @ EGSM 900/GSM 850
 - 1W @ GSM 1800/1900
- Control via AT commands
- RF connection interface: UFL or antenna pad
- Two serial link interfaces (UART 1 and UART 2)
- Short Message Services (SMS)
- Low power consumption
- SIM holder integrated
- 3V/1.8 SIM Interface
- Activity Status Indication Interface
- Normal operation temperature: -20 to 55°C
- Physical Dimensions: 60,3mm × 71,3mm

SocketModem II

The SocketModem II is a complete ready-to-integrate communication device based on the Wavecom Q24 Plus module. It is especially suitable for applications in which data transfer over a wireless network and a minimum development time and expense is needed.



Interchangeable Devices

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

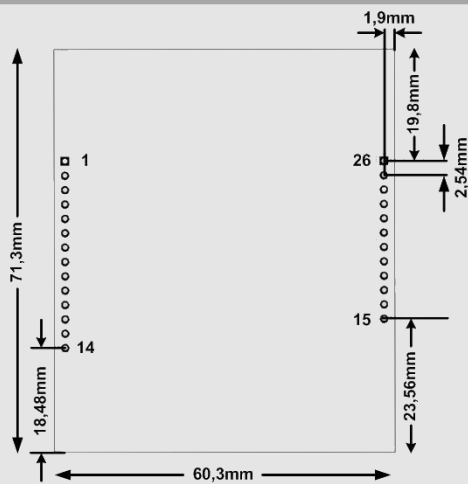


Intelligent Sensing Anywhere

SocketModem II

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Mechanical Outline and Pin Description



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	RTS2	I	Request to send (1)
6	CTS2	O	Clear to send (1)
7	RX2	I	Receive serial data (1)
8	TX2	O	Transmit serial data (1)
9	DSR	O	Data set ready (2)
10	DCD	O	Data carrier detect (2)
11	DTR	I	Data terminal ready (2)
12	RI	O	Ring Indicator (2)
13	OE	I	Output Enable
14, 15, 24	GND	-	Ground
16	CTS	O	Clear to send (2)
17	RTS	I	Request to send (2)
18	RX	I	Receive serial data (2)
19	TX	O	Transmit serial data (2)
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, VCC: 3,0V to 5,0V (500mA)
- I/Os supply voltage range, VCCIO: 3,0V to 5,0V
- Typical idle mode supply current: 13mA
- Data mode, GPRS class 10: <410mA
- Reference sensitivity:
 - GSM850 & EGSM900: -104dBm
 - DCS1800 & PCS1900: -102dBm

Applications

- Appliances
- Asset Tracking
- Data collection
- Industrial and medical remote monitoring systems
- Remote diagnostics
- Remote metering
- Security systems
- Vending/gaming machines
- Other devices requiring wireless connectivity
- M2M applications
- Gas pumps
- Remote control
- Point of sale
- Alarming
- Mobile data acquisition
- Environmental monitoring
- Security
- Home security
- Sales and payment



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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