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Please visit our website for pricing and availability at www.hestore.hu.

SIMCom
A company of SIM Tech

GSM/GPRS Module



SIM900D

SIMCom presents an ultra compact and reliable wireless module-SIM900D. This is a complete Quad-band GSM/GPRS module in a SMT type and designed with a very powerful single-chip processor integrating AMR926EJ-S core, allowing you to benefit from small dimensions and cost-effective solutions. Furthermore, SIM900D can be compatible with SIM340DZ.

Featuring an industry-standard interface, the SIM900D delivers GSM/GPRS 850/900/1800/1900MHz performance for voice, SMS, Data, and Fax in a small form factor and with low power consumption. With a tiny configuration of 33mm x 33mm x 3 mm, SIM900D can fit almost all the space requirements in your M2M applications, especially for slim and compact demands of design.

Smart Machine Smart Decision

General features
•Quad-Band 850/ 900/ 1800/ 1900 MHz
•GPRS multi-slot class 10/8
•GPRS mobile station class B
•Compliant to GSM phase 2/2+
– Class 4 (2 W @850/ 900 MHz)
– Class 1 (1 W @ 1800/1900MHz)
•Dimensions: 33* 33 * 3 (mm)
•Weight: 6.2g
•Control via AT commands (GSM 07.07 ,07.05 and SIMCOM enhanced AT Commands)
•SIM application toolkit
•Supply voltage range : 3.1 ... 4.8V
•Low power consumption: 1.5mA(sleep mode)
•Operation temperature: -40 ° C to +85° C

Specifications for Fax
•Group 3, class 1

Specifications for Data
•GPRS class 10: max. 85.6 kbps (downlink)
•PBCCH support
•Coding schemes CS 1, 2, 3, 4
•CSD up to 14.4 kbps
•USSD
•Non transparent mode
•PPP-stack

Specifications for SMS via GSM/GPRS
•Point-to-point MO and MT
•SMS cell broadcast
•Text and PDU mode

Software features
•0710 MUX protocol
•embedded TCP/UDP protocol
•FTP/HTTP(available at July ,2010)
•FOTA (available at July ,2010)
•MMS (available at July ,2010)
•Embedded AT (available at Q3,2010)

Specifications for Voice
•Tricodec
– Half rate (HR)
– Full rate (FR)
– Enhanced Full rate (EFR)
•Hands-free operation
（Echo suppression）
•AMR
- Half rate (HR)
- Full rate (FR)

Interfaces
•Interface to external SIM 3V/ 1.8V
•analog audio interface
•RTC backup
•SPI interface (option)
•Serial interface
•Embedded SIM (option)
•Antenna pad
•GPIO
•ADC
•Charge interface for Li battery
•PWM

Compatibility
•AT cellular command interface

Certificates:
•ROHS
•REACH

Certificates（on going）
•CE
•FCC
•GCF
•IC

More about SIMCom SIM900D
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Website: www.sim.com/wm

All specifications are subject to change without prior notice.