SIM340D GSM/GPRS Module





The SIM340D is a complete Quad-band GSM/GPRS solution in a SMT module which can be embedded in the customer application.

Featuring an industry-standard interface, the SIM340D 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 $33mm \times 33mm \times 3 mm$, SIM340D can fit almost all the space requirements in your industrial applications, such as M2M, Telematics and other mobile data communication systems.

- Quad-band GSM/GPRS module with a size of 33mmx33mmx3mm
- SMT type suit for customer application
- An embedded Powerful TCP/IP protocol stack
- Based upon mature and field-proven platform, backed up by our support service, from definition to design and production

We make future wireless

General features

- Quad-band GSM/GPRS 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: 7.8 g
- Control via AT commands (GSM 07.07,07.05 and SIMCOM enhanced AT Commands)
- · SIM application toolkit
- Supply voltage range 3.4 4.5 V
- · Low power consumption
- Normal operation temperature:
 -20°C to +55°C
- Restricted operation temperature:
 -30°C to -20°C and +55°C to +80°C
- Storage 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

Drivers

MUX Driver

Specifications for voice

- Tricodec
 - Half rate (HR)
 - Full rate (FR)
 - Enhanced Full rate (EFR)
- Hands-free operation (Echo suppression)

Interfaces

- Interface to external SIM 3V/ 1.8V
- · Two analog audio interfaces
- RTC backup
- SPI interface
- · Serial interface and debug interface
- · Antenna pad
- · Charge interface
- · GPIO

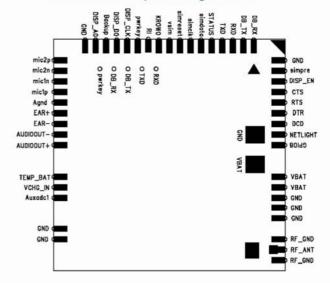
Compatibility

AT cellular command interface

Approvals

FTA

Attachment (pin assignment)



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