

GSM/GPRS -SIM1306



Featuring an industry-standard interface, the **SIM1306** delivers GSM/GPRS 900/1800/1900MHz performance for voice, SMS, Data, and Fax in a small form factor and with low power consumption.

The leading features of **SIM1306** make it ideal for virtually unlimited applications, such as WLL applications (Fixed Cellular Terminal), M2M application, handheld devices and much more.

- 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

- Tri-Band GSM/GPRS 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 @ 900 MHz)
 - Class 1 (1 W @ 1800/1900MHz)
- Dimensions: 95x65x30mm
- Weight: 135g
- Control via AT commands
(GSM 07.07 ,07.05 and SIMCOM enhanced AT Commands)
- SIM application toolkit
- Supply voltage range 12V
- 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

Compatibility

- AT cellular command interface

Specifications for voice

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

Drivers

- MUX Driver

Interfaces

- RS-232 and audio through mini sub-D 15-pin connector supporting
- SMA antenna connector
- Sliding SIM holder
(3V/5V SIM interface)

Approvals

- FTA
- Local Type Approval
- CE
- FCC

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