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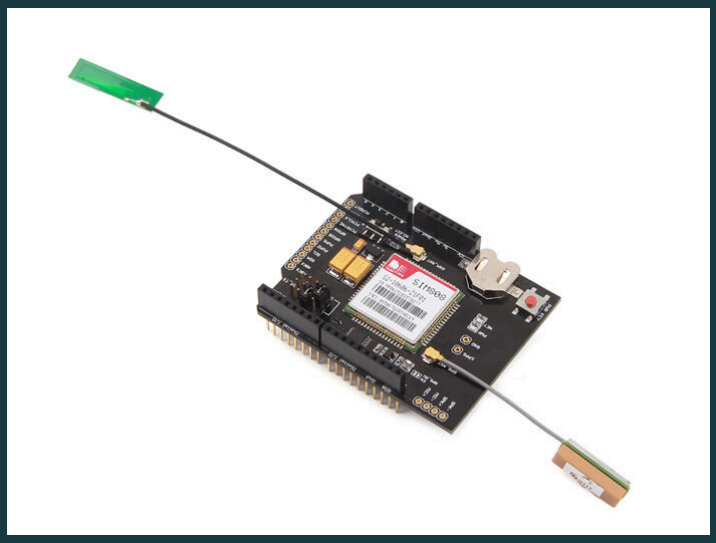
INDUSTRIAL PRODUCT DATASHEET

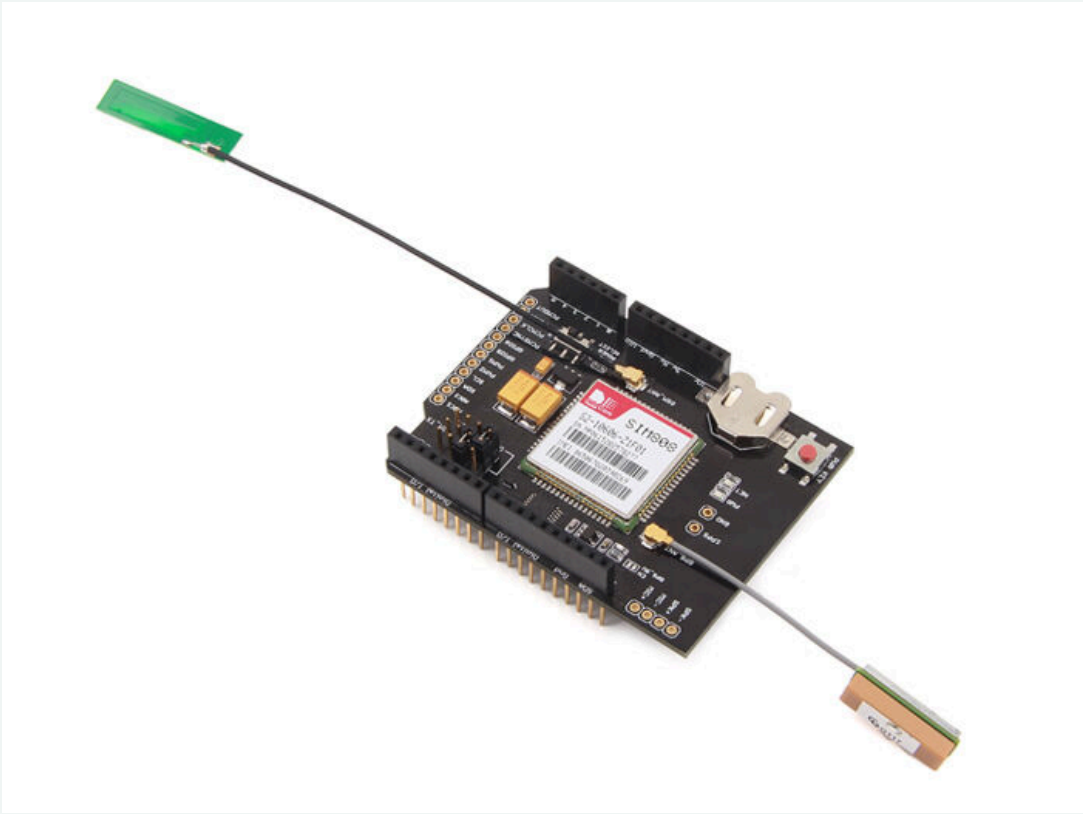
SIM808 Shield - GSM&GPRS + GPS

SIM808 Shield – Arduino-compatible GSM/GPRS + GPS shield with SMS, GPRS data, voice calling, and GPS/A-GPS navigation.

SKU	UPDATED	PRICE
113990113	2026-10-23 03:10:33	$44.95(Excl. VAT)



Overview



The SIM808 Shield is an Arduino-compatible shield based on the SIM808 module, combining 2G GSM/GPRS data and GPS satellite navigation. It supports sending and receiving SMS, GPRS data (TCP/IP, HTTP), phone calls with external microphone/speaker, PWM/buzzer/vibrational motor control, and analog voltage reading.

Key Features

SIM808 Shield is an Arduino compatible shield that based on SIM808 module, it offers 2G GSM and GPRS data along with GPS technology for satellite navigation.

What's it for:

- Receive GPS data and A-GPS data
- Send and receive SMS messages
- Send and receive GPRS data (TCP/IP, HTTP, etc.)
- Make and receive phone calls (External microphone and speaker is required)
- Output PWM , buzzer vibrational motor control
- Read value of analog voltage

Features:

- Compatible with Arduino Uno, Arduino Leonardo, Arduino Mega
- Powered via Arduino USB connection or Arduino external power supply
- Communicates with Arduino via UART-TTL and digital input/output.
- Integrated GPS/CNSS and supports A-GPS
- Supports 3GPP TS 27.007, 27.005 and SIMCOM enhanced AT Commands
- Supports GPS NMEA protocol
- Supports Real Time Clock
- Uses standard SIM Card holder

Specification:

- Quad-band 850/900/1800/1900MHz – 2G GSM network
- GPRS multi-slot class12 connectivity: max. 85.6kbps(down-load/up-load)
- GPRS mobile station class B
- GPS Receiver channels: 22 tracking / 66 acquisition
- Coarse/Acquisition code: GPS L1
- Tracking sensitivity: -165dBm
- Time-To-First-Fix: Cold starts: 30s (typ.), Hot starts: 1s (typ.), Warm starts: 28s (typ.)
- Horizontal position accuracy: < 2.5m CEP
- Update rate: 5Hz

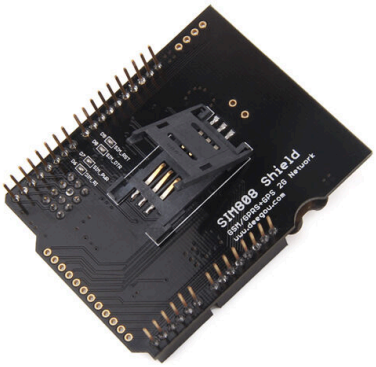
Part List:

- 1 x SIM808 Shield - GSM/GPRS + GPS

For any technical support and suggestions, please visit our **blog page**.

Product Gallery







Part List

- 1 x SIM808 Shield - GSM/GPRS + GPS

Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/SIM808-Shield-GSM-GPRS-GPS-p-2524.html

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