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INDUSTRIAL PRODUCT DATASHEET

SIM808 GSM&GPRS + GPS Module

SIM808 GSM&GPRS + GPS Module: Quad-Band GSM/GPRS with integrated GPS and Bluetooth 3.0+EDR in a compact 24*24*2.6mm SMT package.

SKU	UPDATED	PRICE
113990112	2026-10-23 03:12:26	$19.95(Excl. VAT)



Overview



The SIM808 GSM&GPRS + GPS Module is a complete Quad-Band GSM/GPRS module with integrated GPS technology for satellite navigation in a compact SMT package. It provides an industry-standard interface and supports features such as Bluetooth 3.0+EDR, AT command control, a supply voltage range of 3.4 ~ 4.4V, and GPS tracking with 22 tracking/66 acquisition channels, -165dBm tracking sensitivity, and < 2.5m CEP horizontal position accuracy.

Key Features

SIM808 module is a complete Quad-Band GSM/GPRS module which combines GPS technology for satellite navigation. The compact design which integrated GPRS and GPS in a SMT package will significantly save both time and costs for customers to develop GPS enabled applications. Featuring an industry-standard interface and GPS function, it allows variable assets to be tracked seamlessly at any location and anytime with signal coverage.

Features:

General Features

- Quad-band 850/900/1800/1900MHz
- GPRS multi-slot class 12/10
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
  Class 4 (2 W @ 850/900MHz)
  Class 1 (1 W @ 1800/1900MHz)
- Bluetooth: compliant with 3.0+EDR
- Dimensions: 24*24*2.6mm
- Weight: 3.3g
- Control via AT commands (3GPP TS 27.007, 27.005 and SIMCOM enhanced AT Commands)
- Supply voltage range 3.4 ~ 4.4V
- Low power consumption
- Operation temperature:-40℃ ~85℃

GPS Specifics

- 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 GSM/GPRS + GPS Module

Datasheet

SIM808 Specification.pdf
SIM808 Hardware Design V1.02.pdf
SIM800 AT Command Manual V1.02.pdf
SIM800 Series_GNSS_Application Note V1.00.pdf
SIM800 E-mail Support Specifics.pdf
SIM800 IP(FTP&HTTP) Support Specifics.pdf
SIM800 MMS Support Specifis.pdf

Product Gallery





Part List

- 1 x SIM808 GSM/GPRS + GPS Module

Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/SIM808-GSM-GPRS-GPS-Module-p-2523.html

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