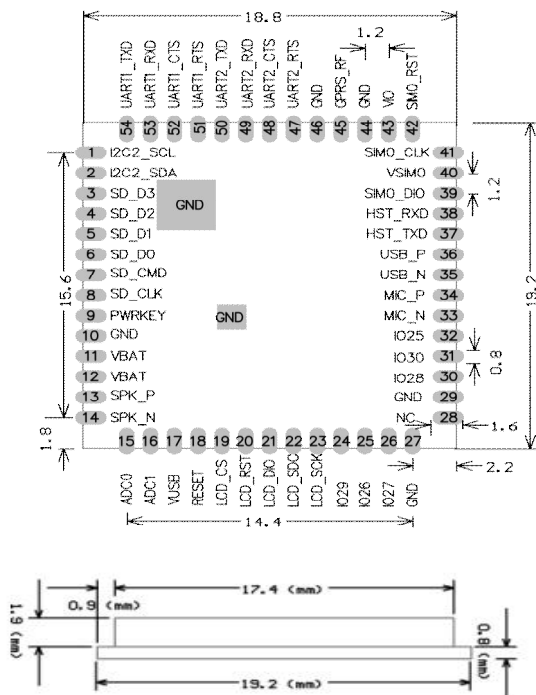


A9 GPRS Module



Features

- Complete quad-band GSM / GPRS module, 800/900 / 1800 / 1900MHz
- SMD package for easy MP & testing
- Low power mode, average current 2mA or less
- Supports digital audio and analog audio, supports HR, FR, EFR, AMR voice coding
- Support voice calls and SMS messages
- Embedded network service protocol stack
- Support standard GSM07.07,07.05AT command and Anxin expandable command set
- Support PBCCH
- Supports firmware upgrade via serial port

Overview

The A9 is a complete quad-band GSM / GPRS module in a compact design SMD package. Its stable performance, the appearance of compact, cost-effective, could meet the diverse needs of customers. .

The A9 can be used in a wide range of IoT applications and is ideal for IoT applications for home automation, industrial wireless control, wearable electronics, wireless location sensing devices, wireless location system signals and other IoT applications.

A9 SMD package, through the standard SMT equipment to achieve rapid production of products, especially for automation, large-scale, low-cost modern production methods for the convenience of a variety of Internet of Things hardware terminal applications.

Product Specifications

| | |
|--------------------------------|--|
| Model Name | A9 |
| Package | SMD54 |
| Size | 19.2*18.8*2.9(±0.2)mm |
| Frequency | 850/900/1800/1900MHz |
| GPRS Multi-slot | Class 12 |
| GPRS Mobile Station | Class B |
| Compatible with GSM Phase 2/2+ | Class 4 (2W@850/900MHz) Class 1 (1W@1800/1900MHz) |
| Power supply | 3.5~4.2V typical value 4.0V |
| Current | 1.14mA@DRX=5 1.03mA@DRX=9 |
| AT command | 3GPP TS 27.007, 27.005 |
| GPRS Class 12 | Max 85.6kbps (up & down) |
| Coding scheme | CS 1,2, 3, 4 |
| PBCCH | support |
| Text | Point to point sms send and receive Cellular broadcast message Text / PDU mode |
| Voice coding mode | Half Rate (HR) Full Rate (FR) Enhanced Full Rate (EFR) Adaptive Multi-Rate (AMR) |
| Audio processing mechanism | Echo Cancellation Echo suppression Noise suppression |
| SIM Card | 1.8V/3V |
| UART | 3pcs (including firmware upgrade serial port), baud rate support 2400~1843200bps, default 115200bps |
| Antenna | Pad |
| Communication Interface | I2C、USB、UART、SDMMC、GPIO、ADC |
| Working Temperature | -20°C ~ +75°C |
| Weight | About 3.0g |

Contact US

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