



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



LoNet 808 - Mini GSM/GPRS + GPS Breakout

SKU: 113990107



(images/product/113990107_0_03.jpg)

Description

This board based on the latest SIMCOM SIM808 GSM/GPS module, it offers cellular GSM and GPRS data along with GPS technology for satellite navigation.

The board features ultra-low power consumption in sleep mode, giving the project incredibly long standby times. Furthermore there's an onboard battery charging circuit that can be used with LiPo batteries.

The GPS receiver is incredibly sensitive with 22 tracking and 66 acquisition channels, and also supports assisted-GPS (A-GPS) for indoor localisation.

The board is controlled by AT command via UART and supports 3.3V and 5V logical level. It comes with a mini GPS and GSM antenna, however a battery is optional. The board uses the 2G (not 3G or LTE) GSM networks.

Features:

- Quad-band 850/900/1800/1900MHz
- GPRS multi-slot class12 connectivity: max. 85.6kbps(down-load/up-load)
- GPRS mobile station class B
- Controlled by AT Command (3GPP TS 27.007, 27.005 and SIMCOM enhanced AT Commands)
- Supports charging control for Li-Ion battery
- Supports Real Time Clock
- Supply voltage range 3.4V ~ 4.4V
- Integrated GPS/CNSS and supports A-GPS
- Supports 3.0V to 5.0V logic level
- Low power consumption, 1mA in sleep mode
- Supports GPS NMEA protocol
- Compact size 27mm x 46mm x 7mm
- Standard SIM Card

GPS Specifications:

- | Receiver channels: 22 tracking / 66 acquisition
- | Coarse/Acquisition code: GPS L1
- | Tracking sensitivity: -165dBm
- | Cold start time: 30s (typ.)
- | Hot start time: 1s (typ.)
- | Warm start time: 28s (typ.)
- | Horizontal position accuracy: < 2.5m CEP

- I Power consumption - Acquisition: 42mA
- I Power consumption - Continuous tracking: 24mA
- I Update rate: 5Hz

Part List:

1 x LoNet 808 - Mini GSM/GPRS + GPS Breakout

1* mini GPS passive antenna

1*GSM antenna

Technical support: deray@deegou.com

Document

For any technical support and suggestions, please visit our wiki (http://www.seeedstudio.com/wiki/LoNet_808_-_Mini_GSM/GPRS+_GPS_Breakout) page.

Overview

Designer: Deegou

Other Products From This Designer (<http://www.seeedstudio.com/depot/Deegou-m-148.html?ref=pinfo>)

Weight: 17 g