

GPRS8000-S Module

GPRS (General Packet Radio Services) is a packet-based wireless communication service which is used for various data applications on phones, including wireless Internet (WAP), MMS, and software that connects to the Internet. It is an overlay to the GSM network. Embest GPRS8000-S module is an ARM based embedded GPS module which allows to connect to Embest [Devkit8000](#) OMAP3530 board for GSM/GPRS solution.



GPRS8000-S Module

Below picture shows how to connect the GPRS8000-S module to Embest Devkit8000 board. Devkit8000's UART (the serial port) from the expansion connector is used to communicate with the GPRS module.



GPRS8000-S Module with Devkit8000 Board

Features

- Tri-band 900/1800/1900MHz
- Quad-band 850/900/1800/1900MHz
- Output Power Class 4 (2W) at 850/900 MHz and Class 1 (1W) at 1800 / 1900 MHz
- Control via AT commands (GSM 07.07, 07.05 and SIMCom extended AT command)
- GPRS multi-slot (Class 10/8) standard
- GPRS mobile station (Class B) standard
- Support GSM 2/2+ standard
- Support STK
- Supply Voltage range: 3.4V - 4.5V
- Support for low-power mode

- Normal operating temperature : -30°C to +80°C
- Dimensions: 79.3mm*44.8mm

Interface

- Audio input interface (Microphone interface)
- Audio output interface (Headphone interface)
- SIM card connector
- Antenna connector
- One Button (Reset to Normal mode)
- Extension interface

SMS

- Point to point SMS Mobile Originated (MO) and Mobile Terminated (MT)
- SMS Broadcast
- Text and PDU mode

Audio

- To answer the call
- To make the call