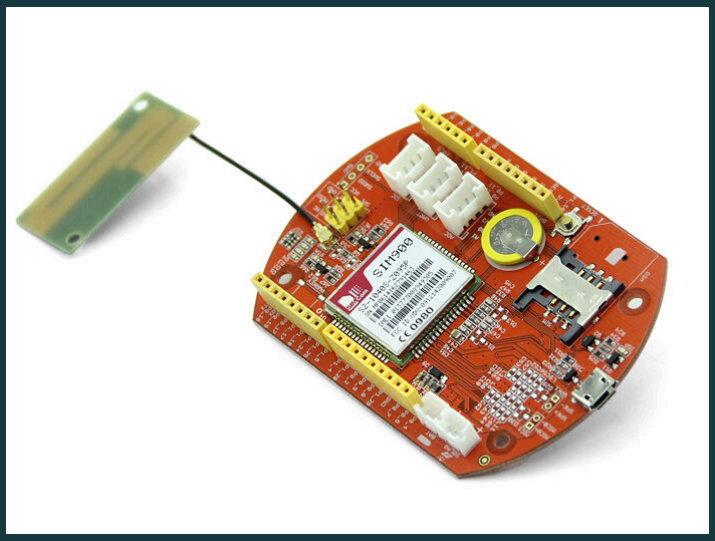
seeed studio

INDUSTRIAL PRODUCT DATASHEET

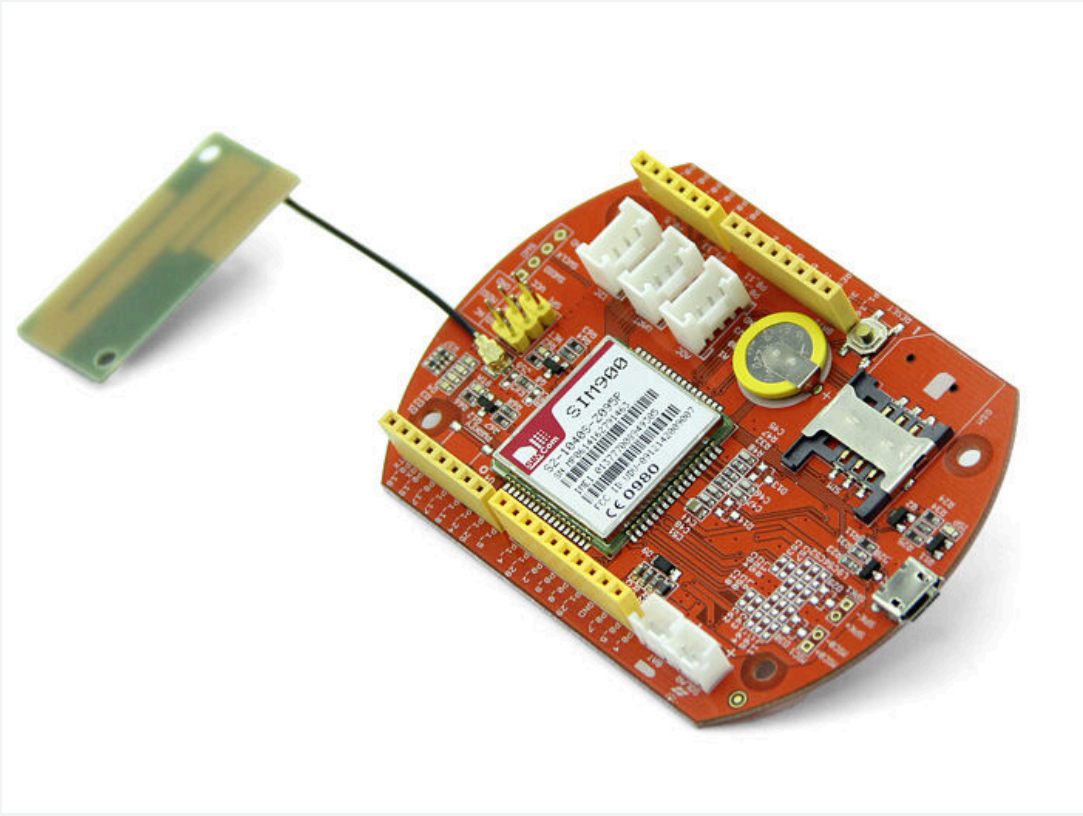
Arch GPRS V2

The Arch GPRS V2 is an mbed enabled cellular development board with SIM900 GSM/GPRS, Arduino and Grove compatibility, and solar charging support.

SKU	UPDATED	PRICE
113010001	2025-07-30 07:33:05	$9.90(Excl. VAT)



Overview



The Arch GPRS V2 is an mbed enabled development board combining an NXP LPC11U37 microcontroller and a SIM900 quad-band GSM/GPRS module. It features a standard Arduino interface, Grove connectors, and supports direct solar panel connection for low-power outdoor battery charging.

Key Features

Arch GPRS V2 is the new and improved version of the Arch GPRS development board from Seeed Studio. Like the original Arch GPRS, it is also an mbed enabled development board that houses a cellular networking module along with a microcontroller. Arch GPRS V2 uses the LPC11U37 Microcontroller instead of the LPC11U24 used on the Arch GPRS. You can use the mbed C/C++ SDK, libraries and optimizing online development tools to rapidly build your Arch GPRS V2 based prototype. The cellular networking module on the Arch GPRS is based on the SIM900 Quad-band GSM/GRPS engine from SIMCom. With this, data collection functions can be performed easily using the 2G GSM/GPRS based cellular network.

Arch GPRS V2 has a standard Arduino interface as well as Grove connectors on board. It’s convenient to connect existing Shields and Grove products to Arch GPRS V2. You can even connect a solar panel directly to the board to allow for the battery to charge from it. A low-power design guarantees easy charging and long hour operations when outdoors!

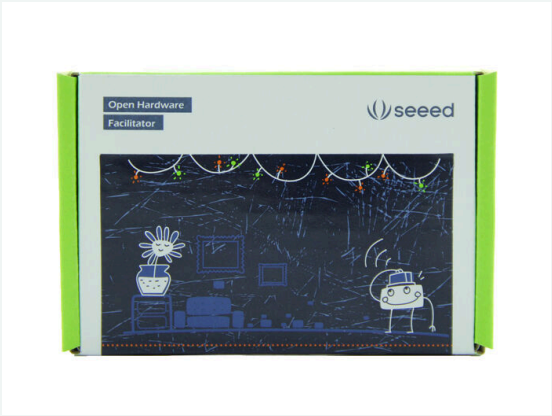
Note

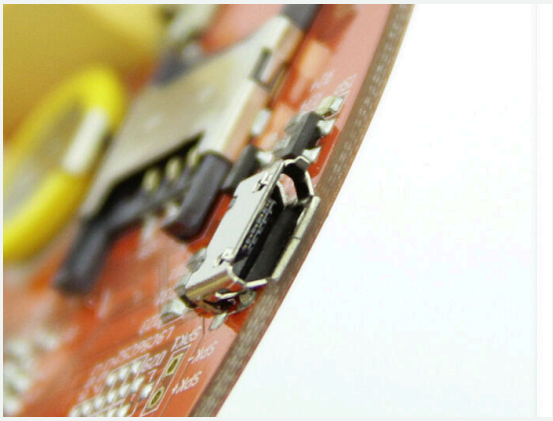
Arch GPRS V2 doesn't come with an mbed interface. To output debug messages, please try USBSerial.

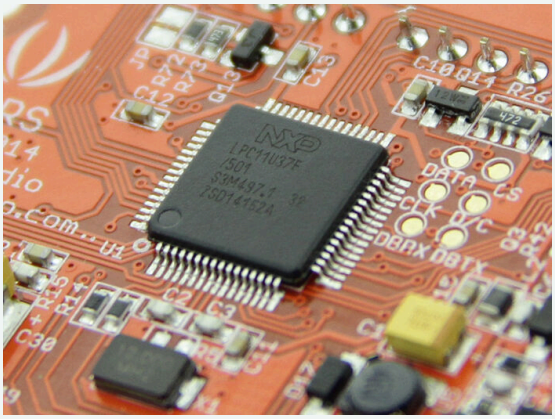
Features

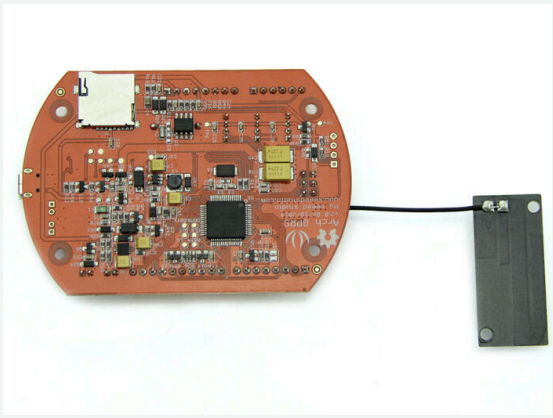
- mbed enabled
- Online development tools
- Easy to use C/C++ SDK
- Lots of published libraries, projects
- NXP LPC11U37 Controller
- Low power ARM Cortex-M0 Core
- On chip 128KB Flash, 12KB SRAM, 4KB EEPROM
- USB Device, UART, I2C
- SIM900 Module
- Quad-band (850/900/1800/1900MHz) GSM/GPRS support
- Supports external SIM card：1.8V/3V
- Control with standard AT Commands
- Select automatically USB5V or Solar panel to charge a battery

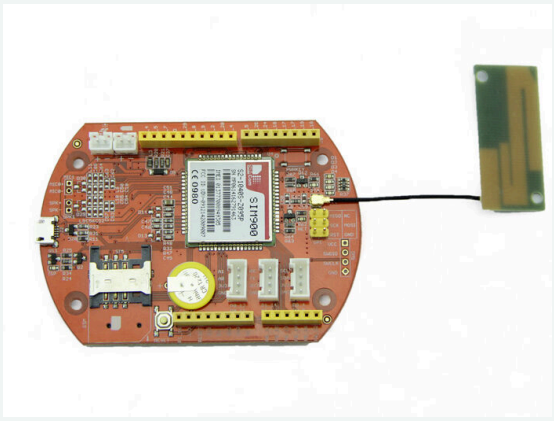
Product Gallery











Part List

Arch GPRS V2	1

Compliance & Logistics



HSCODE	8517703000
USHSCODE	8517790000
UPC	841454112136
EUHSCODE	8517180000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Arch-GPRS-V2.html
- Arch GPRS V2.0 mbed developer platform page

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