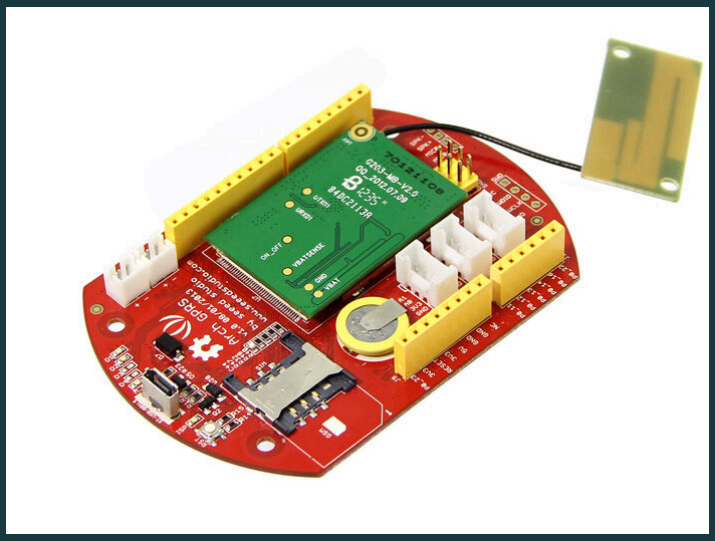
seeed studio

INDUSTRIAL PRODUCT DATASHEET

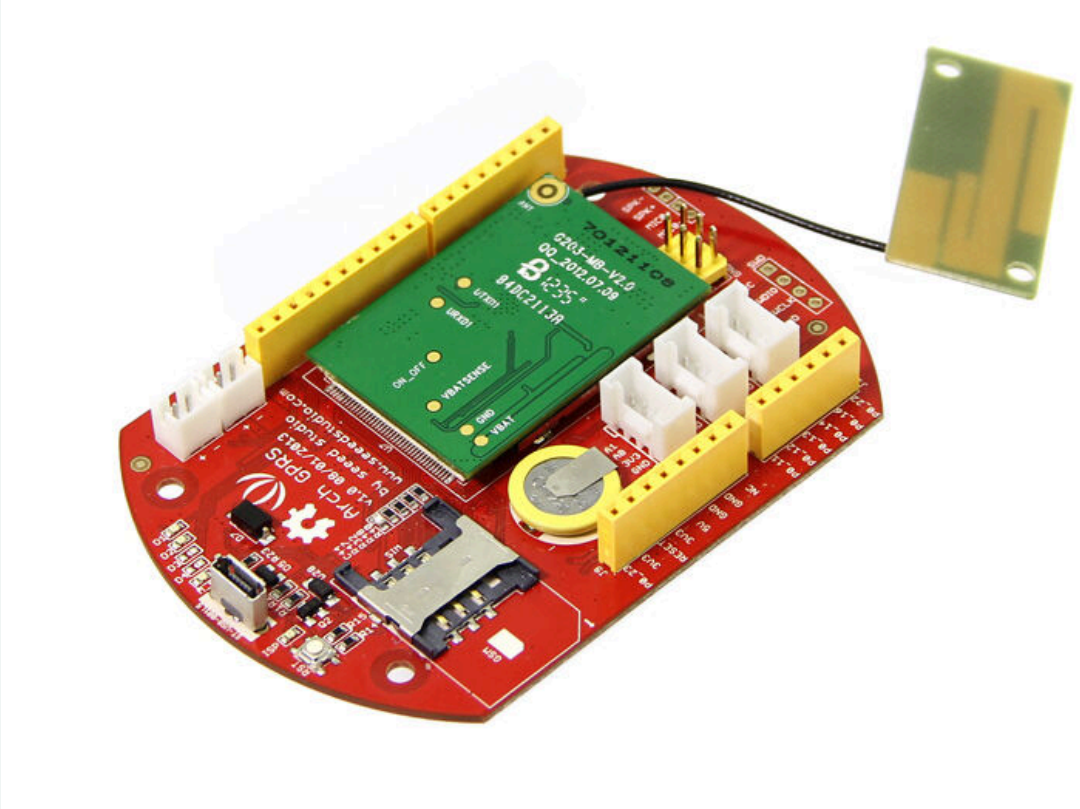
Arch GPRS

Arch GPRS: an mbed-enabled, Arduino-compatible board with EG-10 GPRS for remote data collection, ideal for outdoor low-power prototypes.

SKU	UPDATED	PRICE
102080000	2024-08-09 02:07:54	$54.90(Excl. VAT)



Overview



Arch GPRS is an mbed-enabled development board based on the NXP LPC11U24 microcontroller (ARM Cortex-M0, 32KB Flash, 8KB RAM) featuring an EG-10 GPRS module for remote data collection via GPRS network. It offers standard Arduino interface and Grove connectors for easy expansion, and supports solar/battery power with low-power design suitable for outdoor applications.

Key Features

Arch GPRS is similar to Seeeduino Arch, it also use Microcontroller LPC11U24. So you can use mbed compambed C/C++ SDK, libraries and optimizing online development tools to rapidly build a prototype. Arch GPRS is also a wireless network module based on EG-10, it can achive remote data colletion function to communicate with outside world by GPRS network. Arch GPRS has standard Arduino interface and Grove connectors. It's convenient to connect existing Shields and Grove products to Arch GPRS. You can use the solar panel to charge for battery, and own to its low-power design, so Arch GPRS can work normally in outdoor.

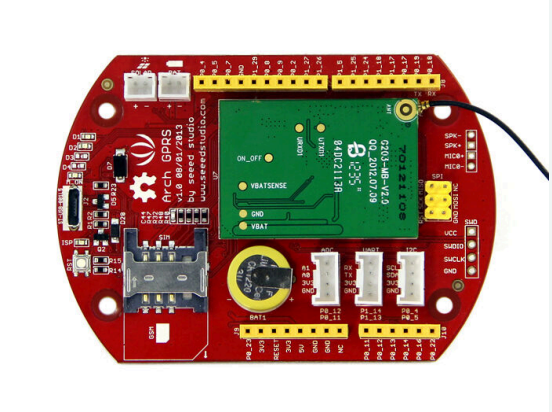
Feature

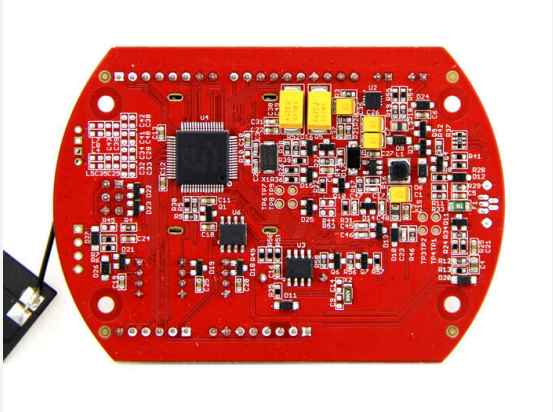
- **mbed enabled**
- online development tools
- easy to use C/C++ SDK
- lots of published libraries, projects
- **NXP LPC11U24 Controller**
- Low power ARM Cortex-M0 Core
- 32KB Flash, 8KB RAM, 4KB EEPROM
- USB Device, 2xSPI, UART, I2C
- **EG-10 Module**
- Support wireless upgrade EG-10 firmware
- Support external SIM card：1.8V/3.3V
- Compatible standard AT Command
- **Equip with RTC function**
- **Select automatically USB5V or Solar panel to charge a battery**

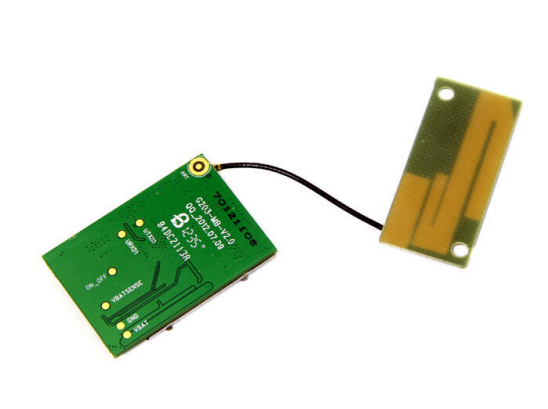
Documents

Please visit our **wiki** page for more info about this product. It will be appreciated if you can help us improve the documents, add more demo code or tutorials. For technical support, please post your questions to our **forum**.

Product Gallery







Compliance & Logistics

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Resource Links

- https://www.seeedstudio.com/Arch-GPRS-p-1657.html
- Arch GPRS Eagle File
- Arch GPRS pdf
- Arch GPRS sch
- Arch GPRS Schematic in PDF format
- AT Command Reference
- EG10 datasheet
- demo

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