seeed studio

INDUSTRIAL PRODUCT DATASHEET

Arch GPRS Kit

Arch GPRS Kit: mbed-enabled GPRS development board with LPC11U24 MCU, EG-10 module, solar charging, and Arduino/Grove compatibility for outdoor remote data applications.

SKU	UPDATED	PRICE
110060000	2024-08-09 02:07:54	$59.90(Excl. VAT)



Overview



The Arch GPRS Kit is an mbed-enabled development board built around the NXP LPC11U24 ARM Cortex-M0 microcontroller, featuring an EG-10 GPRS module for wireless remote data collection. It offers standard Arduino interfaces and Grove connectors, with solar charging support for outdoor, low-power operation.

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**

Includes

- Arch GPRS
- Battery 1000mAh-3.7V
- Solar Panel 5V-110mA
- Waterproof Box

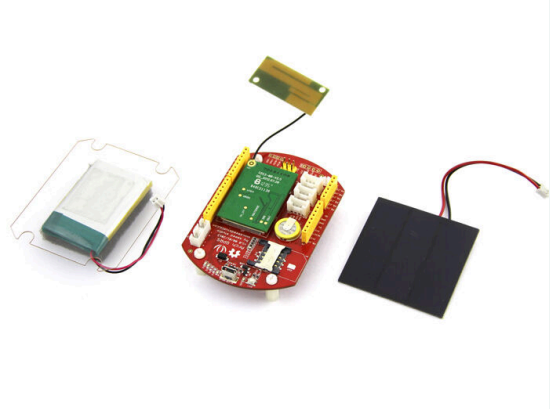
Documents

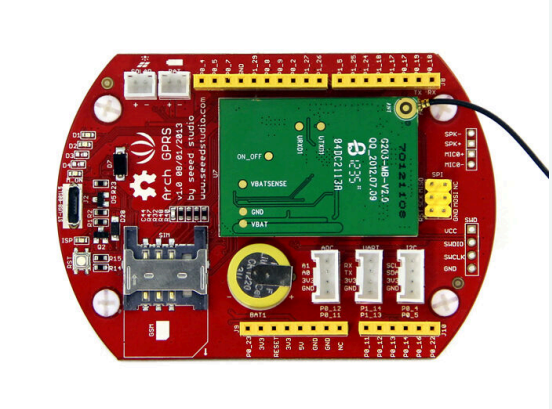
Please visit our **wiki** page for more info about this product. It will be appreciated if you can help us improve the documents, add more demo code or tutorials. For technical support, please post your questions to our **forum**.

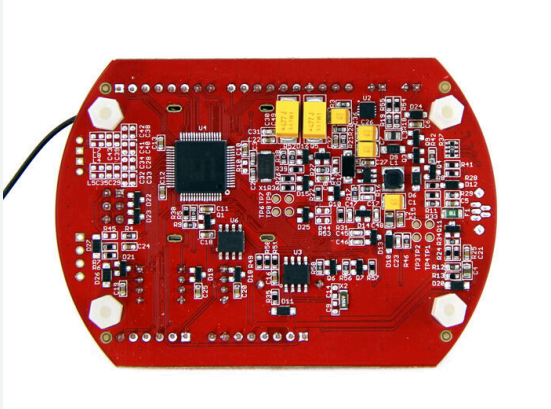
Product Gallery











Compliance & Logistics

HSCODE

Resource Links

- https://www.seeedstudio.com/Arch-GPRS-Kit-p-1658.html
- Wiki

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com