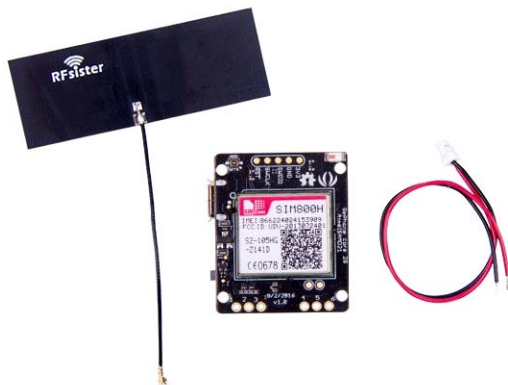




# RePhone core 2G-Atmel32u4 v1.0

SKU 102040006

RePhone is one of the most unique and interesting development board platform that created by Seeed Studio, with RePhone you can not only DIY a special phone for yourself, but also enchant things around you with cellular connectivity



## Description

RePhone is one of the most unique and interesting development board platform that created by Seeed Studio, with RePhone you can not only DIY a special phone for yourself, but also enchant things around you with cellular connectivity. The first edition of RePhone core is Xadow – GSM+BLE, this time we provided another 2 edition of RePhone core which with higher performance and lower power consumption, one of them is the RePhone core 2G Atmel32u4 v1.0.

The RePhone core 2G Atmel32u4 v1.0 is a new Arduino compatible RePhone core 2G board, which is based on Atmel32u4 and SIM800H, Most features of RePhone Core 2G Atmel32u4 v1.0 is the same as Xadow – GSM+BLE, such as offering rich range of communication protocols – GSM, GPRS, and Bluetooth, supporting quad-band

850/900/1800/1900Mz, and supporting 2G Nano SD card. But the solution of Atmel32u4 plus SIM800H has dropped power consumption a lot comparing to Xadow – GSM+BLE. If you are looking for a high-performance and low power consumption RePhone core to enchant the world, then this new RePhone core 2G module is the best choice.

We also provide an even more powerful version of new RePhone core 2G because its solution is AtmelSAMD21+SIM800.

## Note

- The RePhone Core 2G-AtmelSAMD21 v1.0 is compatible with all the Xadow v2.0 except the Xadow 1.54 inch Touchscreen
- Please connect a battery to the board if you want to use the GSM or GPRS function in case the power from USB is not enough and fail to communicate.

## Features

- BAT Input Voltage: 3.4-4.2V
- USB Input Voltage: 5V
- Power Consumption: ~30mA@standby mode
- ATmega32U4: 16MHz, 32KB flash, 2KB SRAM
- Nano SIM connector
- Integrated Power Control System
- Support AT Command
- Support Bluetooth v3.0
- Quad-band: 850/900/1800/1900Mz
- Connector: 35 PIN Connector & 11 PIN Connector for Xadow Modules; JST 1.0 Connector for the battery
- Interface: Analog Audio/I2C/SPI/UART/20\*GPIO
- Arduino compatible
- Compatible with all Xadow 2.0 except the Xadow 1.54 inch Touchscreen
- Working Temperature: -40 – 85°C
- Size: 30\*25mm