

# User Manual

**APM32F030R8 MINI BOARD**

**Version: V1.0.0**

## 1. Performance

- 32-bit ARM® Cortex®-M0+
- Max frequency: 48MHz
- Flash: 64KB
- SRAM: 8KB

## 2. Interface and Resources

- USB: 1 (power supply to use)
- KEY: 2
- LED: 2
- RESET KEY: 1
- SWD interface: 1
- GPIO: 51
- USART: 1 (Switch to USART1 or USART2 by jumper)

## 3. Start

- 1) Ensure a solid connection for jumper J6 and J8.
- 2) Connect the USB in development board with PC by a Type B cable and power the development board.
- 3) Connect the emulator with SWD interface for MCU programming and debugging.

## 4. System Requirements

- Windows OS (7/8/10)

- USB Type B

## 5. Development Tool

- Keil: MDK-ARM

## 6. Appearance



## 7. Schematic Diagram

Refer to 《APM32F030R8 MINIBOARD V1.0.0 PDF》