

# User Manual

APM32E030R

Micro-EVB

**Version: V1.0**

## 1. Chip Feature

- 32-bit Arm® Cortex® -M0+
- Operating frequency: 72MHz
- Flash: 64KB
- SRAM: 8KB

## 2. On-board Resource

- Type\_C: 1 (For power supply and simulation debugging)
- SWD: 1
- LED: 2
- KEY: 2
- RESET KEY: 1
- GPIO: 55
- USART: 2

## 3. Operation procedure

1. The H1 at VDD needs to be short -circuited to power the chip
2. Debugging mode
  - 1) Connect H2/H3 or H4/H5 to use onboard Geehy LINK for serial debugging.
  - 2) After disconnecting the Geehy LINK, use a third -party tool via JP1 for MCU programming and debugging.
  - 3) Type-C(data-communication) is connected to PC for MCU simulation and debugging.

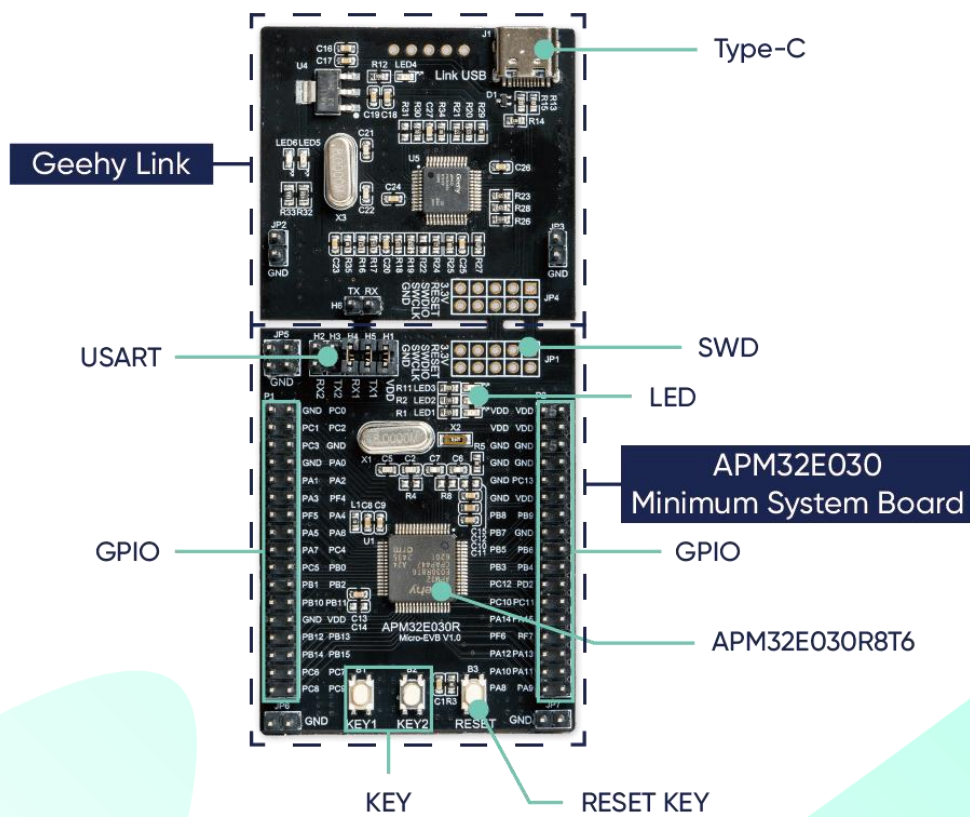
## 4. System

- Windows OS (7/8/10)

## 5. Development Tool

- Keil: MDK-ARM

## 6. Appearance



## 7. Schematic Diagram

Refer to 《APM32E030R Micro-EVB V1.0.PDF》