

User Manual

APM32F402R

Micro-EVB

Version: V1.0

1. Chip Feature

- 32-bit Arm® Cortex® -M4F
- Operating frequency : 120MHz
- Flash: 128KB
- SRAM: 32KB

2. On-board Resource

- SWD: 1
- LED: 2
- KEY: 1
- RESET KEY: 1
- GPIO: 47
- USB (Type-C) : 1
- Geehy LINK (Type-C) : 1

3. Operation procedure

1. To power the MCU using Geehy Link, ensure jumpers are installed on JP2 (VBAT), JP3 (VDD), and JP4 (VDDA).
2. Debugging Options
 - 1) Connect H1/H2 or H3/H4 to enable serial debugging via the onboard Link.
 - 2) To use a third party debugger, disconnect the onboard Link and connect JP1 to the emulator.
 - 3) The Geehy Link Type-C USB port supports direct PC connection for simulation and debugging.

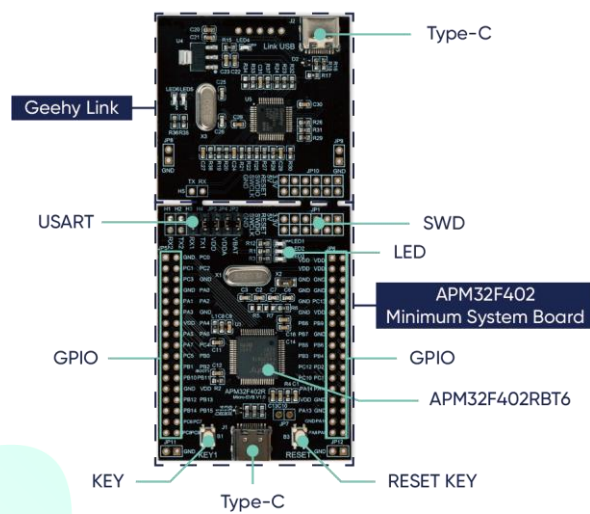
4. System

- FreeRTOS
- RTX

5. Development Tool

- Keil: MDK-Arm
- IAR Embedded Workbench
- Visual Studio Code
- Eclipse

6. Appearance



7. Schematic Diagram

Refer to 《APM32F402R Micro-EVB V1.0.PDF》