

User Manual

APM32F427ZG TinyBoard

Version: V1.0

1. Performance

- 32-bit Arm® Cortex®-M4F
- Max frequency: 240MHz
- Flash: 1024KB
- SRAM: 448KB+4KB

2. Interface and Resources

- SWD: 1
- LED: 2
- KEY: 2
- RESET KEY: 1
- GPIO: 84
- ETH: 1
- USB OTG(Type-C) : 2
- USART to USB(Type-C) : 1
- Geehy LINK(Type-C): 1
- Arduino: 1

3. Start

- 1) Connect jumpers JP3, JP4, and JP5 (VDD) when debugging with Geehy Link.
- 2) Set BOOT0 and BOOT1 jumpers to low (0) to run code from Main Flash.
- 3) To use third-party debuggers, disconnect the onboard Geehy Link and connect via J2 (SWD).

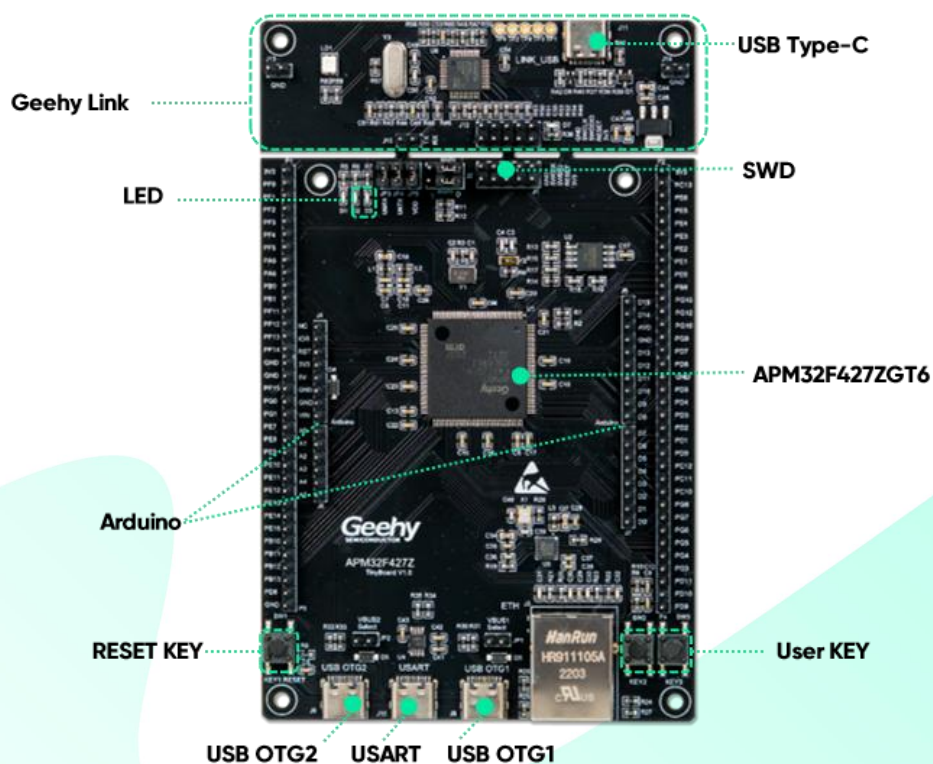
4. System

- Free RTOS
- RT-Thread

5. Development Tool

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

6. Appearance



7. Schematic Diagram

Refer to 《APM32F427ZG TinyBoard V1.0.SchDoc.PDF》