

# User Manual

**G32R430 TinyBoard**

**Version: V1.0**

## 1. Performance

- Arm® Cortex®-M52
- Max frequency: 128MHz
- Flash: 128KB
- ITCM: 32KB
- DTCM: 16KB

## 2. Interface and Resources

- SWD: 1
- LED: 2
- User KEY: 1
- RESET KEY: 1
- GPIO: 34
- USART: 1
- I2C EEPROM: 1
- RS-485: 1
- RS-422: 1
- Geehy Link (USB Type-C): 1

## 3. Start

- 1) When using Geehy Link for debugging, connect the board's TX and RX jumpers to the on-board Geehy Link RX and TX interfaces, respectively.
- 2) After electrically disconnecting the on-board Geehy Link, connect a third-party

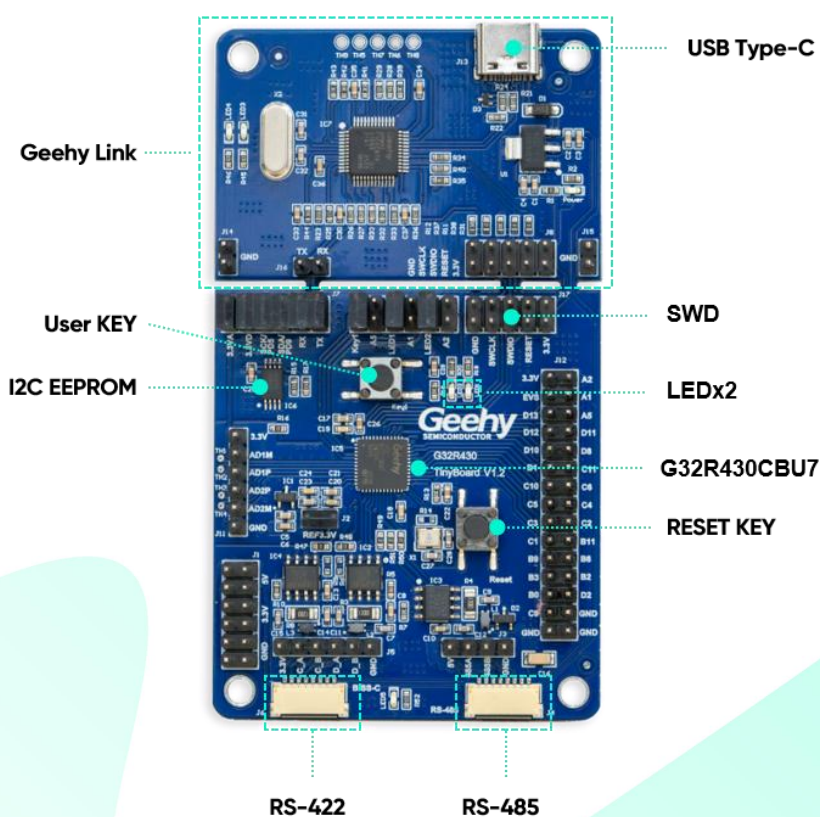
debugger to J17 (SWD) for MCU emulation and debugging.

- 3) To use J12 ports (A1, A2, A5, etc.), move J10 jumpers from LED1/LED2/KEY to the corresponding A1/A2/A5 positions, and restore them as needed to match the required pin functions.

## 4. Development Tool

- Keil MDK-ARM
- IAR Embedded Workbench

## 5. Appearance



## 6. Schematic Diagram

Refer to 《G32R430 TinyBoard\_ V1.0.SchDoc.PDF》