Release Notes for
AT32F402_405 Firmware Library

V2.1.2-2025/01/20

1. Updated some SPI and I2SF demos.

2. Updated USB driver and some demos.

3. Updated IAP_Programmer.exe.

4. Updated LDO output level settings.

5. Updated some notes.

V2.1.1-2024/12/13

1. Updated core DSP library.

2. Updated CAN driver.

3. Added support for AT32IDE project in SLIB demo.

4. Updated USB driver.

5. Updated I2C eeprom demo and added multi-page write logic.

6. Optimized PWR driver and demo.

7. Optimized QSPI driver in XIP mode.

8. Updated some notes.

V2.1.0-2024/08/08

1. Updated USB driver.

2. Updated msc iap demo and improved compatibility.

3. Updated QSPI interface initialization in QSPI demo.

4. Updated initialization configuration process in I^2C DAM related demos.

5. Revised AC6 compilation problems of some demos.

6. Updated IAR project link file for sLib demo.

7. Updated some notes.

V2.0.9-2024/05/10

1. Revised UART7/8 APB clock get.

V2.0.8-2024/04/30

1. Adjusted the function for OTGHS to lower power consumption.

2. Updated sram_parity_check demo.

3. Revised QSPI DAM FIFO threshold enumeration parameter name from "QSPI_DMA_FIFO_THOD_WORD32" to "QSPI_DMA_FIFO_THOD_WORD24".

4. Fixed AC6 compilation warning issues and errors of some demos.

5. Updated some notes and readme.

V2.0.7-2024/04/08

1. Updated some QSIP demos, and added the "qspi_auto_ispc_enable" function.

2. Revised USB host out stall state assignment method.

V2.0.6-2024/03/01

1. Added run_in_qspi_flash demo.

2. Updated some QSPI demos.

V2.0.5-2024/02/01

1. Revised some USB demos.

V2.0.4-2024/01/26

1. Updtaed usbd_core_type 4-byte alignment.

2. Updated USB HID report descriptor.

3. Updated SRAM size related configuration.

4. Updated some notes.

V2.0.3-2024/01/05

1. Updated timer input_capture demo counting method.

2. Fixed HID low-speed identification problems in USB demo.

3. Updated systick initialization function in systick interrupt demo.

4. Added winusb demo.

5. Added ADC loop_transfer demo.

6. Updated the mode to call xx_interrupt_flag_get function in all demos.

V2.0.2-2023/10/28

1. Updated GPIO configuration in QSPI demo.

2. Updated USB drivers.

3. Updated some notes.

V2.0.1-2023/09/28

1. Updated the calculation process of the "system_core_clock" global variable.

2. Added dual OTG device demo and dual OTG host demo.

3. Revised the SRAM size configuration in Keil project.

4. Updated USB keyboard and mouse descriptor drivers.

V2.0.0-2023/08/18

1. Initial release of AT32F402 and AT32F405 series firmware library.