

**ARM® Cortex®-M0  
32-bit Microcontroller**

**NuMicro® Family  
NUC2201 Series BSP  
Revision History**

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**Revision 3.00.005 (Released 2025-12-23)**

1. Update ISP\_SPI sample to add interrupt mask protection for ParseCmd().
2. Add software disconnect and reconnect API in USBD sample code.
3. Add two new macros in pwm.h: PWM\_SET\_DUTY\_COUNT and PWM\_SET\_PERIOD\_COUNT, which are functionally equivalent to PWM\_SET\_CMR and PWM\_SET\_CNR, respectively, to improve readability and clarity of the macros in PWM driver.
4. Add read/write byte related functions to the I2C driver.
5. Disable I2C IRQ until ParseCmd() is completed to prevent ISP from triggering an interruption and fetching data prematurely in ISP\_I2C.
6. Add USBD\_HID\_Mouse2 sample code.
7. Add Schmitt trigger configuration for I2C pins.
8. Fix infinite loop.

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**Revision 3.00.004 (Released 2024-05-02)**

1. Add timeout handler for infinite loop.
2. Use "volatile" with the function pointer to disable compiler optimizations in I2C sample code.
3. Modify UART\_RS485\_Master/Slave sample code.
4. Enable LVR in SYS\_PowerDown\_MinCurrent sample code to prevent power.
5. Update USBD HID keyboard sample code to support LED status.
6. Modify VendorName of Nu\_DFU.inf
7. Add SYS\_PowerDown\_MinCurrent sample code.
8. Call UART FIFO size from uart.h in USBD VCOM sample code.
9. Fix USBD\_MassStorage\_CDROM crash on Linux.
10. Add I2C hang up & recover mechanism for I2C Master and Slave sample code.
11. Fix UART TX FIFO control issue in USBD sample code.

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**Revision 3.00.003 (Released 2021-01-22)**

1. Added to pass USB-IF CV-Chapter 9 & Class test of all USBD Sample code.
2. Fixed warnings of adc driver in Library/StdDriver/src/adc.c.
3. Added SPI\_TRIGGER\_TX\_RX\_PDMA API.
4. Added Apache-2.0 license declaration in driver source.
5. Added README.md file.

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**Revision 3.00.002 (Released 2019-11-12)**

1. Added ISP Sample codes to bsp\SampleCode\ISP folder.
2. Supports GNU GCC.
3. Added Mass Storage sample code to support SD Card.
4. Fixed PWM\_DisableCaptureInt of PWM driver.

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**Revision 3.00.001 (Released 2018-07-06)**

1. Initial Release.

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