

ARM® Cortex®-M
32-bit Microcontroller

NuMicro® Family
M031 Series CMSIS BSP
Revision History

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Revision 3.04.000 (Released 2021-12-28)

1. Supported BLE for M031BT/M032BT.
2. Added I2C_SMBus_Master and I2C_SMBus_Slave samples.
3. Added Sample codes for FreeRTOS V2020.12.
4. Added ISP_MSC sample.
5. Added Cache invalidation for FMC Write related functions.
6. Added new API for TIMER.
7. Updated I²C driver to check STOP bit when I²C transmission completed.
8. Updated HID samples polling interval to 10.
9. Updated samples to avoid infinite loop.
10. Fixed the missing UART6/UART7 in UART_Open function.
11. Minor changes for sample code.
12. Minor bug fix.

Revision 3.03.000 (Released 2020-09-14)

1. Added Apache-2.0 license declaration into BSP.
2. Added fmc_ap_main.uvproj Keil project in FMC_IAP sample.
3. Updated preferences.ini for Eclipse V1.01.016 or later.
4. FMC_IAP sample uses hardware reset instead of software reset.
5. Fixed HIRC trim setting in USBDAudio_NAU8822_Headset, USBDAudio_NAU8822_Microphone, and USBDAudio_NAU8822_Speaker samples.
6. Fixed I²C wakeup done flag checking fail issue.
7. Minor changes for sample code.
8. Minor bug fix.

Revision 3.02.000 (Released 2019-10-4)

1. Supported GPIOE, GPIOG, GPIOH, UART3/4/5/6/7, USCI-1, BPWM, QSPI and RTC for new M031 part numbers.
2. Removed I2C_Master_PDMA, I2C_PDMA, I2C_Slave_PDMA and USBDAudio_NAU8822 samples.
3. Added ISP related samples.
4. Added BPWM, QSPI and RTC related samples.
5. Added emWin sample codes and library.
6. Updated I2C_PDMA_TRX, USCI_SPI_PDMA_LoopTest, USCI_I2C_Loopback_10bit, USCI_I2C_Loopback, FMC_CRC32, FMC_ExecInSRAM, FMC_MultiBoot, FMC_MultiWordProgram, FMC_ReadAllOne, USBDAudio_NAU8822_HeadSet, USBDAudio_NAU8822_Microphone and USBDAudio_NAU8822_Speaker samples.
7. Minor changes for sample code.
8. Minor bug fix.

Revision 3.01.000 (Released 2019-04-12)

1. Added USBDAudio_NAU8822 sample for UAC class.
2. Removed I2C_Double_Buffer_Slave sample.
3. Updated default stack size from 1KB to 512B.
4. Updated definition from SYS_xx_ADC_xx to SYS_xx_ADC0_xx.
5. Updated samples for M031EB0AE, M031FB0AE and M031TB0AE.
6. Minor changes for sample code.
7. Minor bug fix.

Revision 3.00.000 (Released 2018-06-29)

1. Preliminary release version.

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