

**ARM<sup>®</sup> Cortex<sup>®</sup>-M**  
**32-bit Microcontroller**

**NuMicro<sup>®</sup> Family**  
**NANO100AN Series CMSIS BSP**  
**Revision History**

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**Revision 3.02.000** (Released 2018-09-17)

1. Added Eclipse project support.
2. Minor bug fix.

**Revision 3.01.002** (Released 2017-03-10)

1. Fixed smartcard driver and library behaviors that do not comply with EMV2000 spec.
2. Fixed CCID sample bug that incorrect error code is returned.
3. Updated SC\_ReadSimPhoneBook sample code to support SIM card with CHV1 disabled.

**Revision 3.01.001** (Released 2016-07-28)

1. Updated CMSIS to v4.5.0.
2. Added sample code USBD\_HID\_Transfer\_CTRL.
3. Fixed the HIDTransferTest.exe bug to use correct sector size to compare data.
4. Updated HIDTransferTest.exe to support the connection of the composite device with HID interface number other than 0.
5. Fixed the USBD\_VCOM\_SerialEmulator and USBD\_VCOM\_And\_HID\_Keyboard samples bug to ensure SET\_LINE\_CODE command is properly handled.
6. Minor bug fixes.

**Revision 3.01.000** (Released 2015-07-03)

1. Removed FMC driver's FMC\_SetBootSource(), FMC\_DisableAPUpdate(), FMC\_DisableConfigUpdate(), FMC\_DisableLDUpdate(), FMC\_EnableAPUpdate(), FMC\_EnableConfigUpdate(), FMC\_EnableLDUpdate() in fmc.h, because there exist functionally identical macros.
2. Removed DAC driver dac.c and dac.h. Removed samples DAC\_PDMATrigger, DAC\_SoftwareTrigger, and DAC\_TimerTrigger. Removed register and interrupt definitions in Nano100Series.h.
3. Renamed sample GPIO as GPIO\_IOTest.
4. Renamed sample PDMA as PDMA\_Memory.
5. Renamed sample SYS as SYS\_Control.
6. Fixed IAR project device type selection mistakes of all samples.
7. Fixed SC\_SET\_STOP\_BIT\_LEN implementation error in sc.h.
8. Fixed the bug that timer\_delay() set prescale in wrong register in timer.c.
9. Fixed clock driver hard fault problem by dividing HCLK prior to apply new HCLK clock source in clk.c.
10. Fixed CLK\_PLLCTL\_FB\_DV\_Msk implementation error in Nano100Series.h.
11. Fixed FMC\_APROM\_END definition in fmc.h.
12. Fixed USB device compliant issues, including samples USBD\_HID\_Mouse, USBD\_HID\_Transfer, USBD\_Mass\_Storage\_Flash, and USBD\_VCOM\_SerialEmulator. USBD driver and header files are also updated.
13. Fixed UART baudrate setting errors in samples USBD\_VCOM\_And\_HID\_Keyboard and USBD\_VCOM\_SerialEmulator.
14. Modified Timer\_Open() to not start timer in it, in timer.c.

15. Moved SYS\_Unlockreg() from sys.c to sys.h.
16. Update GPIO driver, insert delay to wait I/O stable in gpio.c.
17. Update sample GPIO\_PowerDown, unlock control registers when enter power mode.
18. Added sample SYS\_TrimIRC.
19. Added sample USBD\_HID\_Keyboard.
20. Added sample USBD\_HID\_MouseKeyboard.
21. Added sample USBD\_HID\_Touch.
22. Added sample USBD\_HID\_Transfer\_And\_Keyboard.
23. Added sample USBD\_HID\_Transfer\_And\_MSC.
24. Added sample USBD\_Mass\_Storage\_CDROM.
25. Added sample USBD\_VCOM\_And\_HID\_Keyboard.
26. Added sample PWRDWN\_DEMO.

#### **Revision 3.00.000** (Released 2014-10-31)

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1. Primary release version.

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