

1. Description

1.1. Project

Project Name	STM32WB_I2C_ver1
Board Name	P-NUCLEO-WB55-NUCLEO
Generated with:	STM32CubeMX 6.5.0
Date	07/25/2022

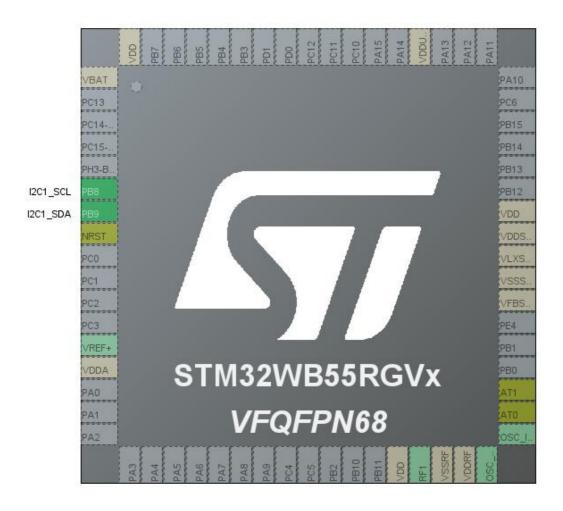
1.2. MCU

MCU Series	STM32WB
MCU Line	STM32WBx5
MCU name	STM32WB55RGVx
MCU Package	VFQFPN68
MCU Pin number	68

1.3. Core(s) information

Core(s)	ARM Cortex-M4

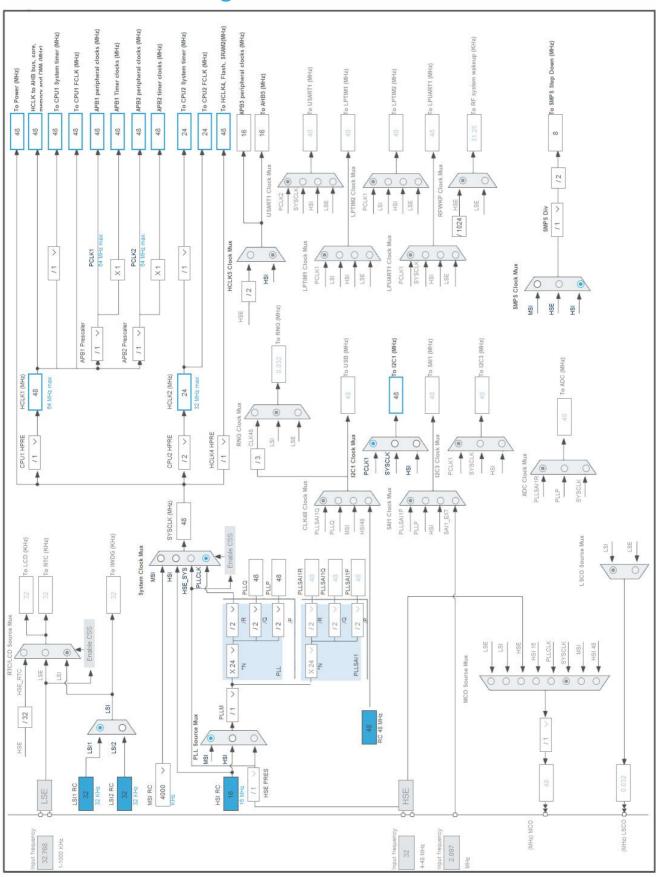
2. Pinout Configuration



3. Pins Configuration

Pin Number VFQFPN68	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
1	VBAT	Power		
6	PB8	I/O	I2C1_SCL	
7	PB9	I/O	I2C1_SDA	
8	NRST	Reset		
14	VDDA	Power		
30	VDD	Power		
32	VSSRF	Power		
33	VDDRF	Power		
36	AT0	NC		
37	AT1	NC		
41	VFBSMPS	Power		
42	VSSSMPS	Power		
43	VLXSMPS	Power		
44	VDDSMPS	Power		
45	VDD	Power		
55	VDDUSB	Power		
68	VDD	Power		

4. Clock Tree Configuration



Page 4

5. Software Project

5.1. Project Settings

Name	Value	
Project Name	STM32WB_I2C_ver1	
Project Folder	C:\Users\user\STM32CubelDE\workspace_1.9.0\STM32WB_I2C_ver1	
Toolchain / IDE	STM32CubeIDE	
Firmware Package Name and Version	STM32Cube FW_WB V1.13.3	
Application Structure	Advanced	
Generate Under Root	Yes	
Do not generate the main()	No	
Minimum Heap Size	0x200	
Minimum Stack Size	0x400	

5.2. Code Generation Settings

Name	Value
STM32Cube MCU packages and embedded software	Copy only the necessary library files
Generate peripheral initialization as a pair of '.c/.h' files	No
Backup previously generated files when re-generating	No
Keep User Code when re-generating	Yes
Delete previously generated files when not re-generated	Yes
Set all free pins as analog (to optimize the power	No
consumption)	
Enable Full Assert	No

5.3. Advanced Settings - Generated Function Calls

Rank Function Name		Peripheral Instance Name	
1	SystemClock_Config	RCC	
2	MX_GPIO_Init	GPIO	
3	MX I2C1 Init	I2C1	

6. Power Consumption Calculator report

6.1. Microcontroller Selection

Series	STM32WB
Line	STM32WBx5
MCU	STM32WB55RGVx
Datasheet	DS11929_Rev3

6.2. Parameter Selection

Temperature	25
Vdd	3.0

6.3. Battery Selection

Battery	Li-SOCL2(A3400)
Capacity	3400.0 mAh
Self Discharge	0.08 %/month
Nominal Voltage	3.6 V
Max Cont Current	100.0 mA
Max Pulse Current	200.0 mA
Cells in series	1
Cells in parallel	1

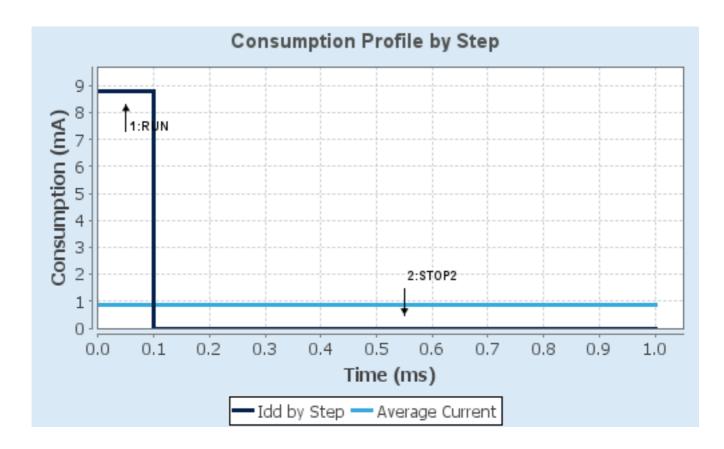
6.4. Sequence

Step	Step1	Step2
Mode	RUN	STOP2
Vdd	3.0	3.0
Voltage Source	Battery	Battery
Range	Range1-High	NoRange
Fetch Type	SRAM1/Flash-PowerDown	FLASH/ART/CACHE
CPU Frequency	64 MHz	0 Hz
Clock Configuration	HSI PLL Regulator_ON	ALL CLOCKS OFF
		Regulator ON
Clock Source Frequency	16 MHz	0 Hz
Peripherals		
Additional Cons.	0 mA	0 mA
Average Current	8.8 mA	1.85 µA
Duration	0.1 ms	0.9 ms
DMIPS	80.0	0.0
Ta Max	103.76	105
Category	In DS Table	In DS Table

6.5. Results

Sequence Time	1 ms	Average Current	881.66 µA
Battery Life	5 months, 7 days,	Average DMIPS	8.0 DMIPS
_	21 hours	_	

6.6. Chart



7. Peripherals and Middlewares Configuration

7.1. I2C1 I2C: I2C

7.1.1. Parameter Settings:

Timing configuration:

Custom Timing Disabled

I2C Speed Mode Standard Mode

I2C Speed Frequency (KHz)100Rise Time (ns)0Fall Time (ns)0Coefficient of Digital Filter0

Analog Filter Enabled

Timing 0x20303E5D *

Slave Features:

Clock No Stretch Mode Disabled
General Call Address Detection Disabled
Primary Address Length selection 7-bit
Dual Address Acknowledged Disabled
Primary slave address 0

7.2. RCC

7.2.1. Parameter Settings:

System Parameters:

VDD voltage (V) 3.3
Instruction Cache Enabled
Prefetch Buffer Disabled
Data Cache Enabled

Flash Latency(WS) 2 WS (3 CPU cycle)

RCC Parameters:

HSI Calibration Value 16

MSI Calibration Value 0

MSI Auto Calibration Disabled

MSI State Enabled

HSI State Enabled
HSE Startup Timout Value (ms) 100
LSE Startup Timout Value (ms) 5000

Power Parameters:

Power Regulator Voltage Scale Power Regulator Voltage Scale 1

Peripherals Clock Configuration:

Generate the peripherals clock configuration TRUE

7.3. SYS

Timebase Source: SysTick

^{*} User modified value

8. System Configuration

8.1. GPIO configuration

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
I2C1	PB8	I2C1_SCL	Alternate Function Open Drain	No pull-up and no pull-down	Low	
	PB9	I2C1_SDA	Alternate Function Open Drain	No pull-up and no pull-down	Low	

8.2. DMA configuration

nothing configured in DMA service

8.3. NVIC configuration

8.3.1. NVIC

Interrupt Table	Enable	Preenmption Priority	SubPriority	
Non maskable interrupt	true	0	0	
Hard fault interrupt	true	0	0	
Memory management fault	true	0	0	
Prefetch fault, memory access fault	true	0	0	
Undefined instruction or illegal state	true	0	0	
System service call via SWI instruction	true	0	0	
Debug monitor	true	0	0	
Pendable request for system service	true	0	0	
System tick timer	true	0	0	
PVD/PVM0/PVM2 interrupts through EXTI lines 16/31/33	unused			
Flash global interrupt	unused			
RCC global interrupt	unused			
CPU2 SEV interrupt through EXTI line 40 and PWR CPU2 HOLD wake-up interrupt	unused			
I2C1 event interrupt	unused			
I2C1 error interrupt	unused			
PWR switching on the fly, end of BLE activity, end of 802.15.4 activity, end of critical radio phase interrupt	unused			
FPU global interrupt		unused		

8.3.2. NVIC Code generation

Enabled interrupt Table	Select for init	Generate IRQ handler	Call HAL handler
Non maskable interrupt	false	true	false
Hard fault interrupt	false	true	false
Memory management fault	false	true	false
Prefetch fault, memory access fault	false	true	false
Undefined instruction or illegal state	false	true	false
System service call via SWI instruction	false	true	false
Debug monitor	false	true	false
Pendable request for system service	false	true	false
System tick timer	false	true	true

* User modified value

9. System Views

9.1. Category view

9.1.1. Current

Middleware							
System Core	Analog	Timers	Connectivity	Multimedia	Security	Computing	Utilities
DMA			I2C1 ⊘				
GPIO ⊘							
NVIC ⊘							
RCC ⊘							
sys ⊘							

10. Docs & Resources

Type Link

Presentations https://www.st.com/resource/en/product_presentation/stm32-

stm8_embedded_software_solutions.pdf

Presentations https://www.st.com/resource/en/product_presentation/stm32_eval-

tools_portfolio.pdf

Presentations https://www.st.com/resource/en/product_presentation/stm32_stm8_functi

onal-safety-packages.pdf

Presentations https://www.st.com/resource/en/product_presentation/stm32-

stm8_software_development_tools.pdf

Presentations https://www.st.com/resource/en/product_presentation/stm32wb_press-

pres.pdf

Presentations https://www.st.com/resource/en/product_presentation/microcontrollers_st

m32wbxm_wireless-modules_product_overview.pdf

Training Material https://www.st.com/resource/en/sales_guide/sg_sc2156.pdf

Training Material https://www.st.com/resource/en/training_certification/faecp_stm32wb_edr.

pdf

Flyers https://www.st.com/resource/en/flyer/flnucleolrwan.pdf

Flyers https://www.st.com/resource/en/flyer/flstm32nucleo.pdf

Flyers https://www.st.com/resource/en/flyer/flstm32wb.pdf

Flyers https://www.st.com/resource/en/flyer/flstm32trust.pdf

Flyers https://www.st.com/resource/en/flyer/flstm32wb5mmg.pdf

Flyers https://www.st.com/resource/en/flyer/flstm32wbvl.pdf

Product https://www.st.com/resource/en/certification_document/stm32wb_certificat

Certifications e_thread.pdf

Product https://www.st.com/resource/en/certification_document/stm32wb_full_certi

Certifications ficate_thread.pdf

Product https://www.st.com/resource/en/certification_document/stm32wb55_bluet

Certifications ooth_certificate.pdf

Application Notes https://www.st.com/resource/en/application_note/an1181-electrostatic-

discharge-sensitivity-measurement-stmicroelectronics.pdf

- Application Notes https://www.st.com/resource/en/application_note/an1709-emc-design-guide-for-stm8-stm32-and-legacy-mcus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an2606-stm32-microcontroller-system-memory-boot-mode-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an2639-solderingrecommendations-and-package-information-for-leadfree-ecopack-mcusand-mpus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an2834-how-to-get-the-best-adc-accuracy-in-stm32-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an2867-oscillator-design-guide-for-stm8afals-stm32-mcus-and-mpus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an3126-audio-and-waveform-generation-using-the-dac-in-stm32-products-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an3155-usart-protocol-used-in-the-stm32-bootloader-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an3156-usb-dfu-protocol-used-in-the-stm32-bootloader-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an3236-increase-the-number-of-touchkeys-for-touch-sensing-applications-on-mcus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an3960-esd-considerations-for-touch-sensing-applications-on-mcus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4013-stm32-crossseries-timer-overview-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4221-i2c-protocol-used-in-the-stm32-bootloader-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4229-how-to-implement-a-vocoder-solution-using-stm32-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4286-spi-protocol-used-in-the-stm32-bootloader-stmicroelectronics.pdf

- Application Notes https://www.st.com/resource/en/application_note/an4299-improveconducted-noise-robustness-for-touch-sensing-applications-on-mcusstmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4310-sampling-capacitor-selection-guide-for-touch-sensing-applications-on-mcus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4312-design-with-surface-sensors-for-touch-sensing-applications-on-mcus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4316-tuning-a-touch-sensing-application-on-mcus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4635-minimization-of-power-consumption-using-lpuart-for-stm32-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4655-virtually-increasing-the-number-of-serial-communication-peripherals-in-stm32-applications-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4750-handling-of-soft-errors-in-stm32-applications-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4759-using-the-hardware-realtime-clock-rtc-and-the-tamper-management-unit-tamp-with-stm32-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4776-generalpurpose-timer-cookbook-for-stm32-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4803-highspeed-si-simulations-using-ibis-and-boardlevel-simulations-using-hyperlynx-si-on-stm32-mcus-and-mpus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4838-managing-memory-protection-unit-in-stm32-mcus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4894-eepromemulation-techniques-and-software-for-stm32-microcontrollersstmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4991-how-to-wake-up-an-stm32xx-series-microcontroller-from-lowpower-mode-with-the-

- usart-or-the-lpuart-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5027-interfacing-pdm-digital-microphones-using-stm32-mcus-and-mpus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5036-thermal-management-guidelines-for-stm32-applications-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5042-precise-hse-frequency-and-startup-time-tuning-for-stm32-wireless-mcus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5071-stm32wb-series-microcontrollers-ultralowpower-features-overview-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5105-getting-started-with-touch-sensing-control-on-stm32-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5129-low-cost-pcb-antenna-for-24ghz-radio-meander-design-for-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5155-stm32cube-mcu-package-examples-for-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5156-introduction-to-stm32-microcontrollers-security-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5165-development-of-rf-hardware-using-stm32wb-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5185-st-firmware-upgrade-services-for-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5224-stm32-dmamux-the-dma-request-router-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5225-usb-typec-power-delivery-using-stm32-mcus-and-mpus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5246-usage-of-smps-on-stm32wb-series-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5247-overtheair-application-and-wireless-firmware-update-for-stm32wb-series-microcontrollers-stmicroelectronics.pdf

- Application Notes https://www.st.com/resource/en/application_note/an5270-stm32wb-bluetooth-low-energy-ble-wireless-interface-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5289-buildingwireless-applications-with-stm32wb-series-microcontrollersstmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5290-minimal-bom-for-stm32wb-series-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5378-stm32wb-series-microcontrollers-bringup-procedure-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5379-examples-of-atcommands-on-stm32wb-series-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5395-stm32wb-series-mcus-with-an-external-power-amplifier-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5434-onboard-antennas-reference-design-for-the-stm32wb-series-mcus-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5451-migrating-between-stm32wb30355055-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5491-creating-manufacture-specific-clusters-on-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5492-persistent-data-management-zigbee-and-nonvolatile-memory-in-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5498-how-to-use-zigbee-clusters-templates-on-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5500-zsdk-api-implementation-for-zigbee-on-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5506-getting-started-with-zigbee-on-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5543-enhanced-methods-to-handle-spi-communication-on-stm32-devices-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5604-stm32wb-series-

- ble-interoperability-report-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5609-developing-zigbee-smart-energy-applications-on-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5613-getting-started-with-dynamicconcurrent-mode-ble--zigbee-on-stm32wb-series-microcontrollers-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5627-stm32wb-series-zigbee-commissioning-guide-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5690-vrefbuf-peripheral-applications-and-trimming-technique-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5707-st-bluetooth-mesh-sensor-model-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5669-certification-of-customer-products-using-stm32wb-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5745-st-bluetooth-mesh-light-lc-server-model-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4760-quadspiinterface-on-stm32-microcontrollers-and-microprocessors-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5292-how-to-build-a-bluetooth-low-energy-mesh-application-for-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an5732-developing-zigbee-sleepy-end-devices-on-stm32wb-series-stmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an4899-stm32microcontroller-gpio-hardware-settings-and-lowpower-consumptionstmicroelectronics.pdf
- Application Notes https://www.st.com/resource/en/application_note/an1202_freertos_guidefor related Tools freertos-guide-stmicroelectronics.pdf & Software
- Application Notes https://www.st.com/resource/en/application_note/an1602_semihosting_in for related Tools _truestudio-how-to-do-semihosting-in-truestudio-stmicroelectronics.pdf

& Software

Application Notes https://www.st.com/resource/en/application_note/an1801_stm32cubeprog for related Tools rammer_in_truestudio-installing-stm32cubeprogrammer-in-truestudio-

& Software stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/atollic_editing_keyboard

for related Tools _shortcuts-atollic-editing-keyboard-shortcuts-stmicroelectronics.pdf

& Software

Application Notes https://www.st.com/resource/en/application_note/iar_to_atollic_truestudio

for related Tools __migration_guide-truestudio-for-arm-migration-guide-iar-embedded-

& Software workbench-to-truestudio-stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/stm32cubemx_installatio

for related Tools n_in_truestudio-stm32cubemx-installation-in-truestudio-

& Software stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an4435-guidelines-for-

for related Tools obtaining-ulcsaiec-607301603351-class-b-certification-in-any-stm32-

& Software application-stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an4502-stm32-

for related Tools smbuspmbus-embedded-software-expansion-for-stm32cube-

& Software stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an4635-minimization-of-

for related Tools power-consumption-using-lpuart-for-stm32-microcontrollers-

& Software stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application note/an4657-stm32-

for related Tools inapplication-programming-iap-using-the-usart-stmicroelectronics.pdf

& Software

Application Notes https://www.st.com/resource/en/application_note/an4759-using-the-

for related Tools hardware-realtime-clock-rtc-and-the-tamper-management-unit-tamp-with-

& Software stm32-microcontrollers-stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an4841-digital-signal-

for related Tools processing-for-stm32-microcontrollers-using-cmsis-stmicroelectronics.pdf

& Software

Application Notes https://www.st.com/resource/en/application_note/an5042-precise-hse-

for related Tools frequency-and-startup-time-tuning-for-stm32-wireless-mcus-

& Software stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an5054-secure-for related Tools programming-using-stm32cubeprogrammer-stmicroelectronics.pdf

& Software

Application Notes https://www.st.com/resource/en/application_note/an5056-integration-

for related Tools guide-for-the-xcubesbsfu-stm32cube-expansion-package-

& Software stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an5155-stm32cube-for related Tools mcu-package-examples-for-stm32wb-series-stmicroelectronics.pdf

& Software

Application Notes https://www.st.com/resource/en/application_note/an5360-getting-started-

for related Tools with-projects-based-on-the-stm32mp1-series-in-stm32cubeide-

& Software stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an5361-getting-started-

for related Tools with-projects-based-on-dualcore-stm32h7-microcontrollers-in-

& Software stm32cubeide-stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an5394-getting-started-

for related Tools with-projects-based-on-the-stm32l5-series-in-stm32cubeide-

& Software stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an5418-how-to-build-a-for related Tools simple-usbpd-sink-application-with-stm32cubemx-stmicroelectronics.pdf

& Software

Application Notes https://www.st.com/resource/en/application_note/an5426-migrating-for related Tools graphics-middleware-projects-from-stm32cubemx-540-to-stm32cubemx-

& Software 550-stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an5564-getting-started-

for related Tools with-projects-based-on-dualcore-stm32wl-microcontrollers-in-

& Software stm32cubeide-stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an4865-lowpower-timer-

& Software stmicroelectronics.pdf

Application Notes https://www.st.com/resource/en/application_note/an5731-stm32cubemx-

for related Tools and-stm32cubeide-threadsafe-solution-stmicroelectronics.pdf

& Software

Errata Sheets https://www.st.com/resource/en/errata_sheet/es0394-

stm32wb55xxstm32wb35cx-device-errata-stmicroelectronics.pdf Datasheet https://www.st.com/resource/en/datasheet/dm00344191.pdf Data brief https://www.st.com/resource/en/data_brief/dm00279326.pdf **Programming** https://www.st.com/resource/en/programming_manual/pm0214-stm32-Manuals cortexm4-mcus-and-mpus-programming-manual-stmicroelectronics.pdf **Programming** https://www.st.com/resource/en/programming_manual/pm0223-cortexm0-Manuals programming-manual-for-stm32l0-stm32g0-stm32wl-and-stm32wb-seriesstmicroelectronics.pdf **Programming** https://www.st.com/resource/en/programming_manual/pm0271-stm32wb-Manuals ble-stack-programming-guidelines-stmicroelectronics.pdf Reference https://www.st.com/resource/en/reference_manual/rm0434-multiprotocol-Manuals wireless-32bit-mcu-armbased-cortexm4-with-fpu-bluetooth-lowenergyand-802154-radio-solution-stmicroelectronics.pdf **Technical Notes** https://www.st.com/resource/en/technical_note/tn1163-description-of-& Articles wlcsp-for-microcontrollers-and-recommendations-for-its-usestmicroelectronics.pdf **Technical Notes** https://www.st.com/resource/en/technical note/tn1204-tape-and-reel-& Articles shipping-media-for-stm32-microcontrollers-in-bga-packagesstmicroelectronics.pdf **Technical Notes** https://www.st.com/resource/en/technical note/tn1205-tape-and-reel-& Articles shipping-media-for-stm8-and-stm32-microcontrollers-in-fpn-packagesstmicroelectronics.pdf **Technical Notes** https://www.st.com/resource/en/technical_note/tn1206-tape-and-reel-& Articles shipping-media-for-stm8-and-stm32-microcontrollers-in-gfp-packagesstmicroelectronics.pdf https://www.st.com/resource/en/technical_note/tn1207-tape-and-reel-**Technical Notes** & Articles shipping-media-for-stm8-and-stm32-microcontrollers-in-so-packagesstmicroelectronics.pdf **Technical Notes** https://www.st.com/resource/en/technical note/tn1208-tape-and-reel-& Articles shipping-media-for-stm8-and-stm32-microcontrollers-in-tssop-and-ssoppackages-stmicroelectronics.pdf User Manuals https://www.st.com/resource/en/user manual/um2804-stm32wb-seriesble-low-level-driver-lld-stmicroelectronics.pdf

User Manuals https://www.st.com/resource/en/user_manual/um2977-stm32wb-series-zigbee-cluster-library-api-stmicroelectronics.pdf