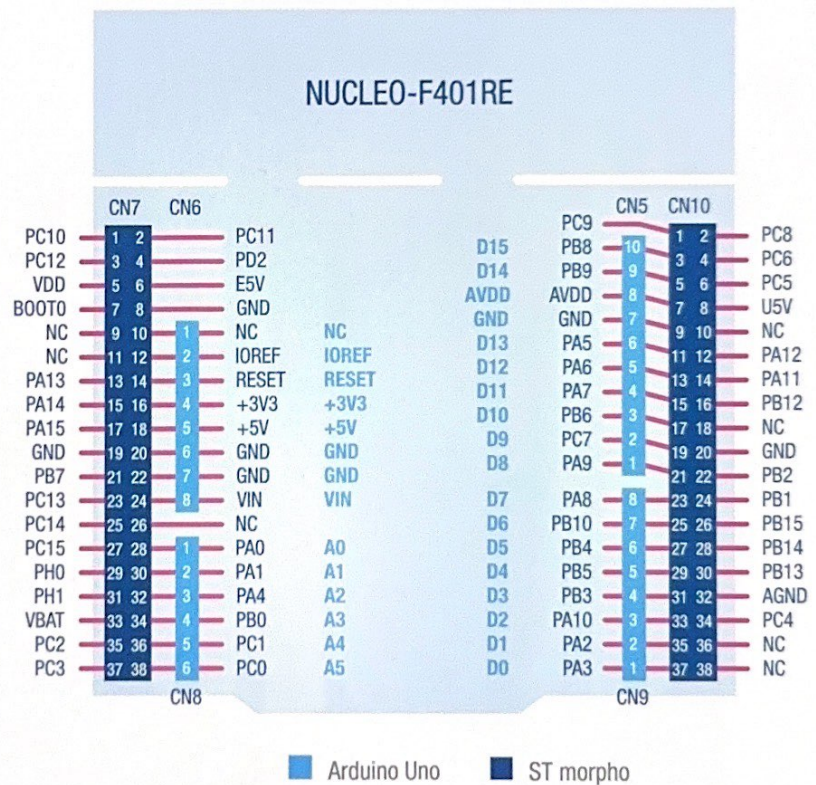


# STM32F401 Nucleo-64



## STM32F401RET6 64 PINS

- ARM® Cortex®-M4 84 MHz
- 512-KB Flash, 96-KB SRAM
- Two extension connectors:  
Arduino™ Uno and  
ST morpho
- Embedded ST-LINK/V2-1  
debugger/programmer
- mbed-enabled



# STM32 Nucleo for F4 series, High-performance

## GETTING STARTED

- 1/ Check jumper position on board, JP1 off, JP5 (PWR) on U5V side, JP6 (IDD) on.
- 2/ Connect the STM32 Nucleo board to a PC with a USB cable Type-A to Mini-B through USB connector CN1 to power the board.  
Then red LED LD3 (PWR) and LD1 (COM) light up, green LED LD2 blinks.
- 3/ Press user button B1 (left button).
- 4/ Observe how blinking of the green LED LD2 changes according to clicks on button B1.
- 5/ The demo software and several software examples that allow you to use the STM32 Nucleo features are available at [www.st.com/stm32nucleo](http://www.st.com/stm32nucleo)
- 6/ Develop your own applications using available examples.

## SYSTEM REQUIREMENTS

- Windows® OS (XP, 7, 8), Linux 64-bit or OS X®
- USB Type-A to Mini-B cable

## DEVELOPMENT TOOLCHAINS

- Keil: MDK-ARM<sup>1</sup>
- IAR: EWARM<sup>1</sup>
- GCC-based IDEs (**free** AC6: SW4STM32, Atollic TrueStudio<sup>® 1</sup>, ...)
- ARM® mbed™ online

1. On Windows® only



## EMBEDDED SOFTWARE

STM32CubeF4 embedded software solution featuring drivers, RTOS, file system, USB, TCP/IP and graphics.



By using or installing (as applicable) this evaluation kit you accept all the terms of the EVALUATION LICENCE AGREEMENT available at: [www.st.com/epla](http://www.st.com/epla)



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