



# STM32G491



## Nucleo-64

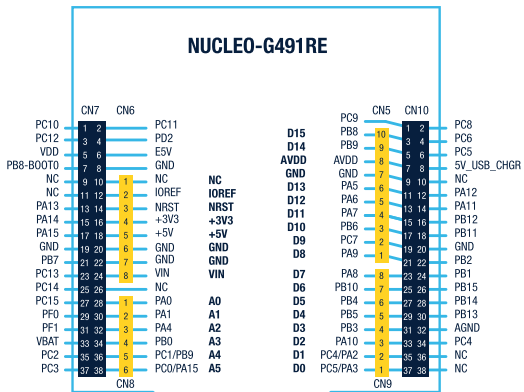


### STM32G491RET6 64 PINS

- Arm® Cortex®-M4 core at 170 MHz
- 512 Kbytes of Flash memory, 96 Kbytes of SRAM
- Two extension types:
  - ARDUINO® Uno V3 connectivity
  - ST morpho extension pin header footprints for full access to all STM32 I/Os
- Embedded STLINK-V3 high-speed debugger/programmer

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

### NUCLEO-G491RE



■ ARDUINO® Uno ■ ST morpho

ST part number: NUCLEO-G491RE

[www.st.com/stm32nucleo](http://www.st.com/stm32nucleo)

# STM32 Nucleo-64 for STM32G491 mainstream MCUs

## GETTING STARTED

- 1/ Check jumper positions on board: JP1 (STLK\_RST) off, JP3 (RST) on, JP5 (5V\_SEL) on [1-2] (5V\_STLK), JP6 (IDD) on, JP7 (BOOT0) off, JP8 (VREF) on [1-2] (VREF).
- 2/ Connect the STM32 Nucleo board to a PC with a standard USB cable through USB connector CN1 to power the board. Then the green LED LD3 (5V\_PWR) and the LED LD1 (COM) light up, the red LED LD4 (OC) is off, the green LED LD2 (USER) blinks.
- 3/ Press user button B1 (left button).
- 4/ Observe how the blinking of 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/en/product/nucleo-g491re](http://www.st.com/en/product/nucleo-g491re)
- 6/ Develop your own applications using available examples.

## SYSTEM REQUIREMENTS

- Windows® OS (7, 8 and 10), Linux® 64-bit or macOS®
- USB Type-A to Micro-B or USB Type-C™ to Micro-B cable

## DEVELOPMENT TOOLCHAINS

- IAR Systems - IAR Embedded Workbench®1
- Keil® - MDK-ARM1
- STMicroelectronics - STM32CubeIDE

1 On Windows® only

## EMBEDDED SOFTWARE

STM32CubeG4 MCU Package  
featuring drivers, RTOS, file system  
and examples for this board.

STM32  
Cube

FSC logo



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NUG491RESAT1

Order code: NUCLEO-G491RE