



**PRODUCT NAME :** STM32 Development Board Integrate ST-LINK/V2-1 Debugger/Programmer

**PRICE :** Rs 2,969.00

**SKU :** RM2216



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## DESCRIPTION

The STM32 Nucleo board provides an affordable and flexible way for users to try out new ideas and build prototypes with any STM32 microcontroller line, choosing from the various combinations of performance, power consumption and features. The Arduino connectivity support and ST Morpho headers make it easy to expand the functionality of the STM32 Nucleo open development platform with a wide choice of specialized shields.

The STM32 Nucleo board does not require any separate probe as it integrates the ST-LINK/V2-1 debugger/programmer.

The STM32 Nucleo board comes with the STM32 comprehensive software HAL library together with various packaged software examples, as well as direct access to mbed online resources.

### Key Features

STM32 microcontroller with LQFP64 package

STM32F411RET6 ( 512K FLASH )

Two types of extension resources

Arduino Uno Revision 3 connectivity

STMicroelectronics Morpho extension pin headers for full access to all STM32 I/Os

mbed-enabled (mbed.org)

On-board ST-LINK/V2-1 debugger/programmer with SWD connector

selection-mode switch to use the kit as a standalone ST-LINK/V2-1

Flexible board power supply

USB VBUS or external source(3.3 V, 5 V, 7 - 12 V)

Power management access point

Three LEDs

USB communication (LD1), user LED (LD2), power LED (LD3)

Two push buttons: USER and RESET

USB re-enumeration capability: three different interfaces supported on USB

Virtual Com port

Mass storage

Debug port

Comprehensive free software HAL library including a variety of software examples

Supported by wide choice of Integrated Development Environments (IDEs) including IAR, Keil, GCC-based IDEs