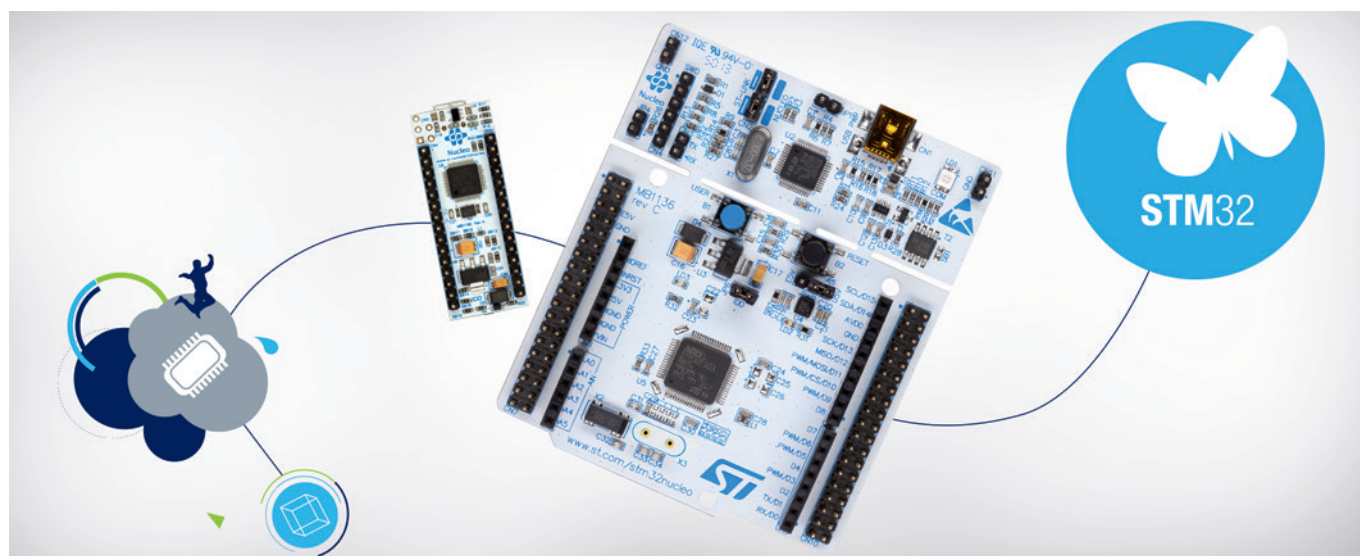




STM32 for makers

Releasing your creativity



ST offers a comprehensive ecosystem to ease developers' work and unleash makers' creativity

Take advantage of the world's leader in ARM® Cortex®-M core microcontrollers.

Access the power of STM32 MCU for your maker project with ST's open development platform:

- Affordable, scalable development tools adapted to a large diversity of needs
 - A comprehensive choice of free IDEs for all OSes
 - Ready-to-use embedded software bricks
- On your mark! Get set! Make



Mainstream



Ultra-low-power



High-performance



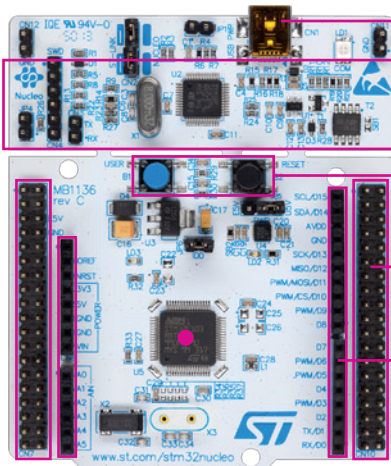
	STM32 Nucleo	Discovery kits	STM32 Nucleo expansion boards
	Flexible prototyping	Key feature prototyping	Sense, connect, drive
Connectivity	Arduino ST morpho	Arduino (*) ST	Arduino
mbd-enabled	Yes	Yes(*)	Yes(*)
Price (**)	\$10.32	\$8 to \$50	< \$20
Website	www.st.com/stm32nucleo	www.st.com/stm32discovery	www.st.com/x-nucleo

(*) On selected boards

(**) Recommended

Make with STM32

STM32 NUCLEO DEVELOPMENT BOARDS



Nucleo-64

USB power supply

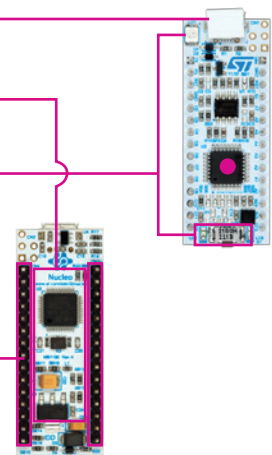
Integrated ST-LINK/V2-1 mass storage device flash programming

Push buttons, color LEDs

ST morpho connectors direct access to all MCU I/Os

Arduino™ connectors

● One STM32 MCU flavor



Nucleo-32

STM32 NUCLEO EXPANSION BOARDS

Bluetooth low energy

Dynamic NFC tag

Motor control

Motion MEMS and environmental

Proximity and ambient light

Wi-Fi networking



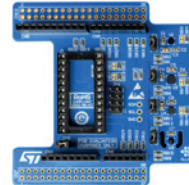
X-NUCLEO-IDB04A1



X-NUCLEO-NFC01A1



X-NUCLEO-IHM01A1



X-NUCLEO-IKS01A1



X-NUCLEO-6180XA1

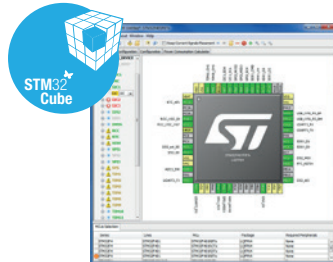


AMW006-A02
(by Ackme Networks)

SOFTWARE TOOLS

STM32CubeMX

Configure and generate code



EMBEDDED SOFTWARE

Ready-to-use embedded software bricks

Your application

STM32Cube
middleware

mbed component
libraries

mbed core
abstraction

STM32Cube Hardware Abstraction
Layer (HAL)

Join the STM32 community

st.com/e2e

facebook.com/stm32

twitter.com/@ST_World

youtube.com/STonlineMedia

linkedin/STMicroelectronics



ST MCU Finder

All STM32 in your hand



Free partners' IDEs

Code, compile and debug

ARM® mbed™

CooCox®

ARM® KEIL®
Microcontroller Tools

ac6
Assistance Conseil
Systems

ARM® mbed™

CoIDE

MDK-ARM (*)

System Workbench



Note: (*) Free licenses for STM32F0 and STM32L0 series



© STMicroelectronics - October 2015 - Printed in United Kingdom - All rights reserved
The STMicroelectronics corporate logo is a registered trademark of the STMicroelectronics group of companies
All other names are the property of their respective owners

