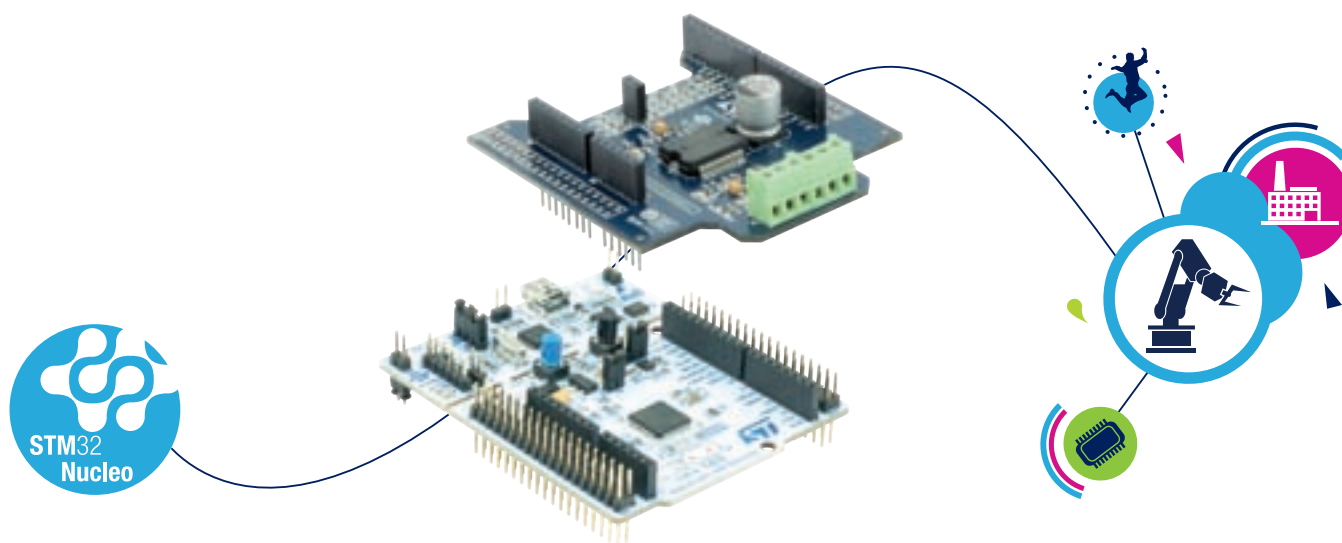


X-NUCLEO-IHM01X1

Stepper motor driver expansion board based on easySPIN™



Easy and Fast Stepper Motor Control drive through easySPIN expansion board

The expansion board X-NUCLEO-IHM01A1 is a plug and play solution to benefit from easySPIN advanced current control with adaptive decay for smooth and silent motion.

Fully protected and SPI configurable for diagnostics easySPIN is ideal for driving 3D and professional printers, stage lighting, vending machines, industrial equipment and robotics. The X-NUCLEO-IHM01A1 is compatible with the Arduino UNO R3 connector and easily stackable in order to drive up to three stepper motors with a single STM32 Nucleo board.

KEY FEATURES

- 8 to 45 V Voltage range, phase current up to 3 Arms
- Advanced current control with adaptive decay for smooth and silent motion
- Fully protected power stage with SPI diagnostics
- Equipped with Arduino UNO R3 connector
- Easy to start thanks to STM32Cube™ software
- Stackable solution to drive up to three stepper motors with a single STM32 Nucleo board
- Ideal for 3D and professional printers, stage lighting, vending machines, industrial equipment and robotics

