Item no.: 384016
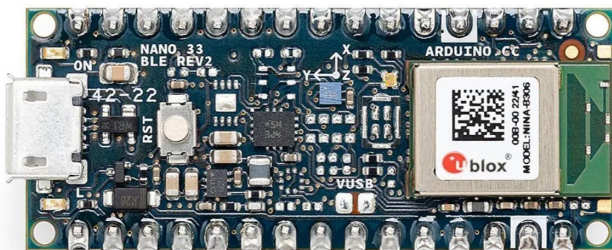
ABX00072 - Nano 33 BLE Rev2 with headers

from **26,28 EUR**

Item no.: 384016
shipping weight: 0.10 kg
Manufacturer: Arduino

📄 Product Description

The Arduino Nano 33 BLE Rev2 is at the forefront of innovation, utilising the advanced capabilities of the nRF52840 microcontroller. This 32-bit Arm® Cortex®-M4 CPU, operating at an impressive 64 MHz, enables developers to realise a wide range of projects. The added compatibility with MicroPython increases the board's flexibility and makes it accessible to a wider developer community.The standout feature of this development board is its Bluetooth® Low Energy (Bluetooth® LE) capability, which enables effortless communication with other Bluetooth® LE-enabled devices. This opens up a wealth of possibilities for developers, allowing them to seamlessly exchange data and integrate their projects into a wide range of connected technologies.The Nano 33 BLE Rev2 has been designed with versatility in mind and is equipped with a built-in 9-axis Inertial Measurement Unit (IMU). This IMU provides precise measurements of position, direction and acceleration, making it a true game changer. Whether you're developing wearables or devices that require real-time motion tracking, the built-in IMU provides unrivalled accuracy and reliability.The Nano 33 BLE Rev2 offers the perfect balance of size and features, making it the ultimate choice for developing wearables that seamlessly connect to your smartphone. Whether you're an experienced developer or a hobbyist embarking on a new adventure in connected technology, this development board opens up a world of possibilities for innovation and creativity. Expand your projects with the power and flexibility of the Nano 33 BLE Rev2.Technical specifications- Microcontroller nRF52840 (datasheet)- USB connector Micro USB- Pins Built-in LED Pin 13- Digital I/O Pins 14- Analogue Inputs Pins 8- PWM Pins All digital pins (4 simultaneously)- External Interrupts External interrupts All digital pins- Connectivity Bluetooth® u-blox® NINA-B306- Sensors IMU BMI270 (3-axis accelerometer + 3-axis gyroscope) + BMM150 (3-axis magnetometer)- Communication UART RX/TX- I2C A4 (SDA), A5 (SCL)- SPI D11 (COPI), D12 (CIPO), D13 (SCK). Use any GPIO for Chip Select (CS)- Power I/O Voltage 3.3 V- Input Voltage (nominal) 5-18 V- DC Current per I/O Pin 10 mA- Clock Speed Processor nRF52840 64 MHz- Memory nRF52840 256 KB SRAM, 1 MB flash- Dimensions Weight 5 gr- Width 18 mm- Length 45 mm

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability