

Item no.: 358645

Arduino Nano 33 BLE Sense Rev2 with headers

from **42,55 EUR**

Item no.: 358645
shipping weight: 0.10 kg
Manufacturer: Arduino

Product Description

The Arduino Nano 33 BLE Sense Rev2 with headers is Arduino's 3.3 V AI enabled board in the smallest available form factor with a set of sensors that will allow you without any external hardware to start programming your next project, right away.

With the Arduino Nano 33 BLE Sense Rev2, you can:

- Build wearable devices that using AI can recognize movements.
- Build a room temperature monitoring device that can suggest or modify changes in the thermostat.
- Build a gesture or voice recognition device using the microphone or the gesture sensor together with the AI capabilities of the board.

The main feature of this board, besides the complete selection of sensors, is the possibility of running Edge Computing applications (AI) on it using TinyML. Learn how to use the Tensor Flow Lite library following the instructions or learn how to train your board using Edge Impulse.

- Microcontroller: nRF52840
- Operating voltage: 3.3 V
- Input voltage (limit): 21 V
- DC current per I/O pin: 15 mA
- Clock speed: 64 MHz
- CPU Flash memory: 1 MB (nRF52840)
- SRAM: 256KB (nRF52840)
- EEPROM: none
- Digital input / output pins: 14
- PWM pins: All digital pins
- UART: 1
- SPI: 1
- I2C: 1
- Analog input pins: 8 (ADC 12 bit 200 k samples)
- Analog output pins: Only through PWM (no DAC)
- External interrupts: All digital pins
- LEDs built-in: 13
- USB: Native in the nRF52840 Processor
- IMU: BMI270 and BMM150
- Microphone: MP34DT06JTR
- Gesture, light, proximity, color: APDS9960
- Barometric pressure: LPS22HB
- Temperature, humidity: HS3003

Specifications

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

