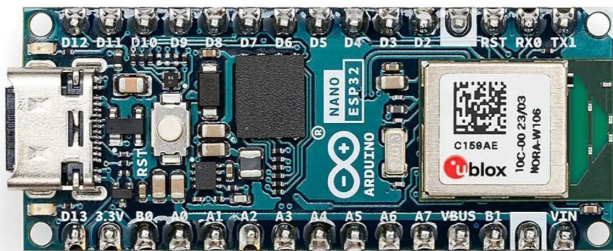


Item no.: 384017

ABX00083 - Nano ESP32 with headers

from **21,09 EUR**

Item no.: 384017
 shipping weight: 0.10 kg
 Manufacturer: Arduino



Product Description

The Nano ESP32 is a powerful addition to the Arduino ecosystem, bringing the popular ESP32-S3 into the world of Arduino and MicroPython programming. Whether you're a beginner entering the world of IoT or MicroPython, or an advanced user looking to incorporate it into your next product, the Nano ESP32 is the perfect choice. It covers all your needs to start your IoT or MicroPython project with ease. Let's take a look at the main features of the Nano ESP32:- Tiny footprint: Designed with the familiar Nano form factor in mind, this board's compact size makes it perfect for incorporation into standalone projects.- Wi-Fi® and Bluetooth®: Harness the power of the IoT-renowned ESP32-S3 microcontroller with full Arduino support for wireless and Bluetooth® connectivity.- Arduino and MicroPython support: Seamlessly switch between Arduino and MicroPython programming with a few simple steps. We even offer an introductory course for those new to the MicroPython world. For more information, visit the documentation page.- Arduino IoT Cloud compatible: Create IoT projects quickly and easily with just a few lines of code. Our setup takes care of security and allows you to monitor and control your project from anywhere with the Arduino IoT Cloud app. (Available from August 2023)- HID support: Emulate human interface devices, such as keyboards or mice, via USB and open up new ways of interacting with your computer. There are no more excuses to put off your exploration of IoT and MicroPython. The Nano ESP32 provides everything you need to start developing and discover the endless possibilities. Technical specifications- Board name Arduino® Nano ESP32 with headers- SKU ABX00083- Microcontroller u-blox® NORA-W106 (ESP32-S3)- USB connector USB-C®- Pins Integrated LED Pin 13- Integrated RGB LED Pins 14-16- Digital I/O Pins 14- Analogue input pins 8- PWM pins 5- External interrupts All digital pins- Connection options Wi-Fi® u-blox® NORA-W106 (ESP32-S3)- Bluetooth® u-blox® NORA-W106 (ESP32-S3)- Communication UART 2x- I2C 1x, 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) 6-21 V- Source Current per I/O Pin 40 mA- Sink Current per I/O Pin 28 mA- Clock speed Processor up to 240 MHz- Memory ROM 384 kB- SRAM 512 kB- External Flash 128 Mbit (16 MB)- Dimensions Width 18 mm- Length 45 mm

Specifications

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

