New Arduino Nano family

Small, iconic, powerful. An affordable, robust, compact and easy to program board's family, with Arduino 'signature' quality.

Maker Faire Bay Area, May 17th 2019, Arduino announces the new Nano family.
Designed with makers in mind, the new Nano family offers affordable boards for everyday projects. Retaining Arduino quality and reliability they make it easier than ever to turn your project ideas into a reality. They are compatible with classic Arduino boards, have low energy consumption and more powerful processors.

New Nano family is composed by 4 boards:
Arduino Nano Every – perfect for everyday projects.
Arduino Nano 33 IoT – small, secure and IoT connected.
Arduino Nano 33 BLE – small, low-power, and Bluetooth connected.
Arduino Nano BLE Sense – small, low-power, and Bluetooth connected with a wide range of on-board sensors.

For makers who want to prototype compact projects, the Arduino Nano offer a small and powerful solution, affordable for everyone, but with the Arduino quality our users deserve. Because every project counts.

Massimo Banzi – co-founder of Arduino – commented: "The new Nano's are for those millions of makers who love using the Arduino IDE for it's simplicity and open source aspect, but just want a great value, small and powerful board they can trust for their compact projects. With prices from as low as $9.90 for the Nano Every, this family fills that gap in the Arduino range, providing makers with the Arduino quality they deserve for those everyday projects".

A focus on new boards

Arduino Nano Every
The Arduino Nano Every is a miniature sized module based on the Microchip ATMega4809 microcontroller. The board can be used in a breadboard when mounting pin headers, or as a SMT module directly soldered on a PCB thanks to its castellated pads. It's a compact workshorse, that can replace the classic Arduino Nano in all projects where users need more capabilities. An ATSAMD11 (with Arm Cortex M0+ processor) acts as a high performance USB to serial converter that could re-programmed by skilled users to achieve even more.

Arduino Nano 33 IoT
The Arduino Nano 33 IoT is a miniature sized module containing an Arm Cortex-M0+ processor based ATSAMD21 microcontroller, a WiFi+BT module based on Espressif ESP32, a 6-axis IMU, and a crypto chip which can securely store certificates and pre shared keys. The board can either be used in a breadboard, or as a SMT module, directly soldering it via the castellated pads. An ATSAMD11 Arm Cortex-M0+ processor acts as a high performance USB to serial converter that could re-programmed by skilled users to achieve even more.
The board is compatible with Arduino IoT Cloud.

Arduino Nano 33 BLE
The Arduino Nano 33 BLE is a miniature sized module containing a ublox NINA B306 module, based on Nordic nRF52480 and containing an Arm Cortex-M4F and a 9-axis IMU. The module can either be mounted as a DIP component, or as a SMT component, directly soldering it via the castellated pads.

Arduino Nano BLE Sense
The Arduino Nano 33 BLE Sense is a miniature sized module containing a ublox NINA B306 module, based on Nordic nRF52480 and containing a powerful Arm Cortex-M4F and a large set of sensors. The module can either be mounted as a DIP component, or as a SMT component, directly soldering it via the castellated pads. Built for

low power consumption, Nano 33 BLE Sense is designed for environmental sensing (barometer, humidity, temperature, light) and human interface applications thanks to the embedded microphone and proximity/gesture sensor.

The Arduino Nano family is available in pre-order. Arduino Nano Every and Arduino Nano 33 IoT are available from mid June. Arduino Nano 33 BLE and Arduino Nano BLE Sense are available from mid July.

About Arduino
Arduino is an open-source hardware, software, and content platform with a worldwide community of around 30 million active users. It has powered thousands of projects, from everyday objects to satellites and complex scientific instruments. This success has been made possible by combining a wide variety of electronic boards, easy-to-use tools, a collaborative community, and practical project examples to suit all levels.

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