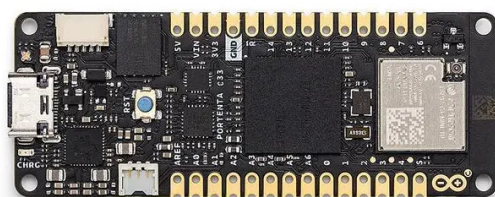


Item no.: 366429

## ARDUINO PORTENTA C33

from **67,72 EUR**

Item no.: 366429  
shipping weight: 0.20 kg  
Manufacturer: Arduino



### Product Description

Portenta C33 is a streamlined module that offers the high performance of the Portenta family at a lower price point, thanks to optimizations and streamlined features. Ideal to develop cost-effective, real-time applications, Portenta C33 features the Arm® Cortex®-M33 microcontroller by global leader Renesas and supports MicroPython and other high-level programming languages. Thanks to its onboard Wi-Fi® and Bluetooth® Low Energy connectivity, the module stands out as an ideal solution for IoT gateways, remote control systems, fleet management and process tracking. While its secure element guarantees industrial-grade security at the hardware level, the Portenta C33 is also able to perform over-the-air firmware updates with Arduino IoT Cloud or other third-party services. Quickly deploying AI-powered projects becomes quick and easy with Portenta C33, by leveraging a vast array of ready-to-use software libraries and Arduino sketches available, as well as widgets that display data in real time on Arduino IoT Cloud-based dashboards. What's more, the module's form factor is compatible with the Portenta and MKR ranges and features castellated pins – ready for automatic assembly lines and more efficient connections to other components. Key benefits include: - Ideal for low-cost IoT applications with Wi-Fi/Bluetooth® LE connectivity- Supports MicroPython and other high-level programming languages- Offers industrial-grade security at the hardware level and secure OTA firmware updates- Leverages ready-to-use software libraries and Arduino sketches- Perfect to monitor and display real-time data on Arduino IoT Cloud widget-based dashboards- Compatible with Arduino Portenta and MKR families- Features castellated pins for automatic assembly lines

- Microcontroller Renesas R7FA6M5BH2CBG Arm® Cortex®-M33: 1x Arm® Cortex®-M33 core up to 200 MHz- 512 kB onboard SRAM- 2 MB onboard Flash- Arm TrustZone®- Secure Crypto Engine 9- External Memories: 16 MB QSPI Flash- USB-C®: USB-C® High Speed- Connectivity: 100Mb Ethernet interface (PHY), Wi-Fi®, Bluetooth® Low Energy- Interfaces: CAN, SDCard, ADC, GPIO, SPI, I2S, I2C, JTAG/SWD- Security NXP®: SE050C2 Secure Element- Operating Temperatures: -40 °C to +85 °C (-40 °F to 185 °F)- Dimensions: 66,04 mm x 25,40 mm

### Specifications

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

