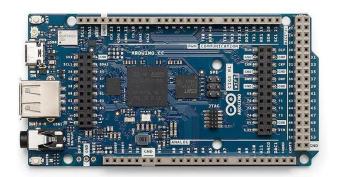


Item no.: 384014

ABX00063 - Giga R1 WiFi

from **77,27 EUR**

Item no.: 384014 shipping weight: 0.10 kg Manufacturer: Arduino



Product Description

OverviewThe Arduino GIGA R1 WiFi was developed for ambitious makers who want to improve their game. It levels the playing field for gamers, artists, sound designers and anyone entering the tech world with big ideas and a small budget - because it packs advanced features into an accessible component, with the same form factor as our popular Mega and Due. Let's take a look at all the powerful features of this board. Microcontroller (STM32H747XI): This dual-core, 32-bit microcontroller allows you to have two brains talking to each other (a Cortex®-M7 running at 480 MHz and a Cortex®-M4 running at 240 MHz). You can even run Micropython on one and Arduino on the other. Wireless communication (Murata 1DX): Whether you prefer Wi-Fi® or Bluetooth®, the GIGA R1 WiFi is there for you. You can even quickly connect to the Arduino loT Cloud and track your project remotely. And if you're worried about communications security, the ATECC608A has everything under control. Hardware ports and communication in Inspired by the Arduino Mega and the Arduino Due, the GIGA R1 WiFi has 4 UARTs (serial hardware ports), 3 I2C ports (1 more than its predecessors), 2 SPI ports (1 more than its predecessors), 1 FDCAN.GPIOs and additional pins: We wanted to keep the same form factor of the Mega and Due so that you can easily adapt your customised shields to the GIGA R1 WiFi (but remember that this board works with 3.3VI) and we've added extra headers to access additional pins so the total number of GPIO pins is 76, and the best part is that you can access them from the bottom so you can leave your project as is and just think about how to expand it. We've also added two new pins: a VRTC, which allows you to connect a battery to keep the RTC running while the board is off, and an OFF pin, which allows you to power down the board for necessors. The GIGA R1 WiFi has additional bardware. The board features:USB-A connector for USB sticks, other mass storage devices and HID devices such as a keyboard or mouse.3.5 mm input/output jack connected to D

Specifications

Scan this QR code to view the product

All details, up-to-date prices and availability

