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/ Arduino / Arduino & Compatible / Ameba RTL8195 Arduino Wireless Board



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Ameba RTL8195 Arduino **Wireless Board**

SKU 113990295 🚹 😗 🚱 👰 🚭







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Description

Best-sellers

Technical Details

Questions and Answers

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Description

Category

Ameba is an Arduino-compatible development board for internet of things, beside WiFi connectivity, it also includes an NFC tag, and can support Ethernet via Arduino compatible headers. The brain of the board is Realtek RTL8195AM ARM Cortex M3 MCU that includes WiFi connectivity, hardware SSL, SRAM, and flash. It provides the optimal solution for the maker community and Quadcopter, Solar Energy system, Sensor Environment, automation solutions and etc.



KEY FEATURE

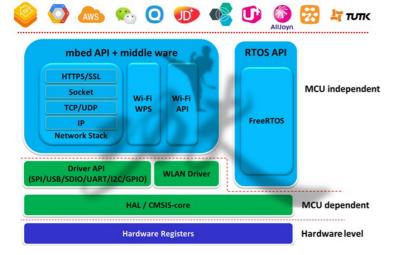
- 1. CPU- 32-bit ARM Cortex M3, up to 166MHz
- 2. Memory- 1MB ROM, 512KB SRAM, 2MB SDRAM additional 2MB Flash on board
- 3. Integrated with 802.11 b/g/n 1x1 Wi-Fi
- 4. NFC Tag with Read/Write Function
- 5. 10/100 Ethernet MII/ RMII/RGMII Interface

6. **BOTG**

- 8. SDIO Device/SD card controller
- 9. Hardware SSL engine
- 10. Maximum 30 GPIOs
- 11. 2 SPI Interfaces and support both master and slave mode
- 12. 3 UART Interfaces including 2 HS-UART and one log UART
- 13. 4 I2C Interfaces and support both master and slave mode
- 14. 2 I2S/PCM Interfaces and support both master and slave mode
- 15. 4 PWM interfaces
- 16. 2 ADC interfaces
- 17. 1 DAC interfaces

Ameba SDK

Standard SDK is released - V3.4b3 [Std. SDK]



Full-fledged Standard SDK is now released for download. In the Standard SDK, we provide support to cost-effective Ameba IC and connect to a number of cloud services easily. With the detailed control in all aspects, Standard SDK is your best choice. Please refer to Getting Started.

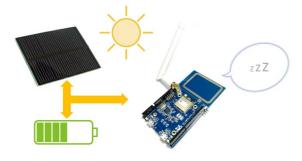
Ameba Applications

Ameba Quadcopter - V1.1.1 [ARDUINO]



Quadcopter is a popular application of development boards. Try to build an Ameba quadcopter on your own and enjoy aviation! Please refer to our example.

Ameba with Solar Energy - V1.0.9 [ARDUINO]



In the pursuit of the sustainable energy, solar energy is one of the widely-used sustainable energy source. In release 1.0.9, let's equip Ameba with lasting solar energy, build your application without worrying about the battery replacement. Please refer to our example.

Sensor support - V1.0.8 [ARDUINO]



The rapid revolution of sensors changes the human's life style. With various applications, the sensors enrich our life and make our life more exciting. In release 1.0.8, let's build applications with sensors and experience the infinite possibilities in the IoT world. Please refer to our example.

Be your eyes - V1.0.7 [ARDUINO]





As the drone takes your eyes to the sky, let Ameba be your eyes and extend your eyesight. Let's begin with some fun, please refer to this example .

Fun Time! - V1.0.6



Remote control cars were our best friend in our childhood. In release 1.0.6, Ameba releases AmebaMotors Library, to help you to build a remote control car with ease, and without worrying about APP development. Please refer to our example.

Save energy & Save the Earth: Power Management - V1.0.5



To get rid of the electrical wiring and build environment-friendly applications, it is important that the power consumption is well-managed. In release 1.0.5, we introduce a number of power-saving modes of Ameba, and provide easy-to-use power management API. Please refer to our example.

Fits most IoT Applications.



PART LIST

1x Ameba Arduino Wireless Board 1x NFC Antenna

DOCUMENTS

User Manual Getting started

Community & Support

- Official web site: http://www.amebaiot.com/en/
- Facebook group: https://www.facebook.com/groups/AmebaloTWW Downloaded from Arrow.com.

• Forum: https://www.amebaiot.com/en/questions/

Best-sellers









Technical Details

Dimensions	117mm x 75mm x 23mm
Weight	G.W 35g
Battery	Exclude

Questions and Answers

Have a question about this? Ask people who own it.

0

Great module!Video firmware RTL8195 in Arduino IDE https://youtu.be/aBexl2kQy8g

stonein on Apr 18,2017

Thanks for sharing.

ae on Apr 19,2017 10:02 AM

Reply | O upvote (0)

0

my windows laptop is not recognizing the board...please help..thanks...samit

r_samit on Nov 29,2016

This is a third party module. So, Please write to http://www.amebaiot.com/en/questions/ for any technical support.

kavi on Nov 30,2016 14:52 PM

View History









125Khz RFID module - UART 2KM Long Range RF link ki... 315Mhz Wireless car key f...

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