



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Arduino Dock R2 for Onion Omega

DEV-14438

Description

The Arduino Dock R2 allows you to supercharge your projects by combining the familiar Arduino platform with the power and connectivity of the Omega2. Each dock features the ATmega328P microcontroller as a coprocessor to act in tandem with the Omega, and exposes the GPIO pins of both the Omega and the microcontroller. If you are looking for a way to incorporate both Arduino and Onion Omega into your next project, there isn't a finer choice than the Arduino Dock R2!

The Omega facilitates programming the microcontroller wirelessly using the Arduino IDE, while it and the ATmega328P can communicate through a Serial UART connection or using the I²C bus protocol. The microcontroller pins are all accessible and arranged in the same way as the Arduino Uno, giving you the ability to quickly port over Arduino projects and reuse any existing Arduino Shields.

The Onion Omega boards we carry are separated into three different categories: **Mainboard**, **Dock** and **Expansion Board**. This board falls into the Dock category, meaning you can plug an Onion Omega directly into the board. The Arduino Dock R2 is also compatible with Omega Expansion Boards and Arduino Shields.

Features

- MicroUSB Port – Power and serial terminal access
- USB-A Host Port – Connect USB devices to the Omega
- Barrel Jack Port
- Reset Button
- 3.3V–5V DC Power Supply Compatible
- 30-pin Expansion Header

