CIOFCO

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Products Amlogic S905 ODROID-C2 Exynos5 Octa ODROID-XU4 Amlogic S805 ODROID-C1+ ODROID-C0 Display ODROID-VU5 ODROID-VU7 Plus ODROID-VU7 16x2 LCD + IO Shield C1 3.2inch TFT+Touchsc LED Matrix Shield ODROID-SHOW2

Power Supply & Battery

RTC Backup Battery

3.5inch Touchscreen Sh

RTC Shield

UPS2 for C1

UPS3

5V/2A Power Supply

5V/2A Power Supply EU

5V/2A Power Supply US 5V/4A Power Supply EU

5V/4A Power Supply Rou

5V/4A Power Supply US

5V/6A Power Supply

3000mAh Battery

750mAh Battery

Cases

ODROID-C2/C1+ Cases

ODROID-XU4 Cases

VuShell for VU7

3.5inch LCD Shield Cas

Connectivity

IR Remote Controller

WiFi Module 0

WiFi Module 3

WiFi Module 4

WiFi Module 5

Bluetooth Module 2

Ethernet Cable CAT6

USB GPS Module

Camera

USB-CAM 720P

Products

Obsolete products > ODROID-W [ODROID-W]

Feature

Technical Detail

FAQs

ODROID-W

ODROID-W is a miniature computing module which is fully compatible with all software available for the Raspberry-Pi.

Wearable device development
 Widely applicable Internet of Things (IoT) development

- Workable DIY electronics prototyping

http://ameridroid.com/ STORE IN GERMANY : http://www.pollin.de

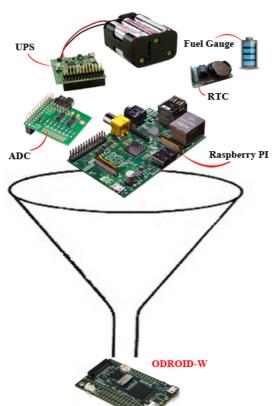
Sold Out

판매종료

\$30.00

36,000원(부가세 별도)

Worldwide shipping 한국 배송(Korean only)





The ODROID-W measures a very small 60 x 36 x 7mm (2.4 x 1.4 x 0.3"). new fe improvements over the original Raspberry Pi

- Li+ rechargeable battery charger and fuel gauge for portables, wearable and ı
- Real Time Clock to keep accurate time without an Internet connection by just a
 12-bit precision ADC to measure the dynamic voltage signals via two single-e
 DC/DC step-down converters for higher power efficiency
- DC/DC step-up converter for 5Volt rails (USB host and HDMI) from a Li-Polyme
- USB Host port can be placed on top or bottom as preferred DIY friendly 0.1inch/2.54mm pitch IO connector (up to 32 GPIO ports) for hand

ODROID-W = RPI + RTC + ADC + UPS + Battery gauge with significant Minima



oCam : 5MP USB 3.0 Cam
oCam-1MGN-U : Global S
M12 Lens Set : 8/6/3/2
Tripod mount for oCam

Development

C Tinkering Kit
USB-UART Module Kit
Xprotolab Plain

Sound

HiFi Shield 2
HiFi Shield Plus
USB Audio Adapter
USB-SPDIF

Connector

Micro USB-DC Power Bri Connector Pack for ODR 30pin and 12pin Header

Add-on Boards

CloudShell for XU4
Expansion Board
USB IO Board
XU4 Shifter Shield
Universal Motion Joypa
USB3.0 to SATA Bridge
U3 IO Shield

U3 Shield Tinkering Ki

Sensor

myAHRS+ Weather Board 2

Cooler

40x40x25mm Tall Blue H
C1 Heat Sink
Cooling Fan U2
Cooling Fan U3
Cooling Fan X
Cooling Fan XU4 Blue

Cables

HDMI Cable (Micro, Typ
HDMI Cable (Type A-A)
USB3.0 Micro-A to Stan
Micro USB Cable
DC Plug Cable Assembly
DC Plug Cable Assembly
DC Plug Cable Assembly
USB-DC Plug Cable 2.5m
USB2.0 OTG Cable

HDMI 2.0 Cable (Type A

OS Preinstalled Flash Memory

eMMC Module C2 Linux B
eMMC Module C2 Android
MicroSD C2 Linux
MicroSD C2 Android
eMMC Module XU4 Linux
eMMC Module XU4 Androi
MicroSD XU4 Linux
eMMC Module C1+/C0 Lin
eMMC Module C1+/C0 And

ODROID-W



OPTIONAL ACCESSORIES



DEVELOPMENT HISTORY

In early 2014, we had an important project with our partner companies to help them to prototype a few wearable & IoT devices.

At that time, we considered using the ODROID-U3 as a base platform. The ODROID-U3 is much faster than the Raspberry Pi, but the power consumption of the U3 is not suitable for wearable devices like watches or necklaces.

We even considered using the Raspberry Pi itself due to the lower power consumption and nice Linux BSP support, but the PCB of the RPi was huge (much bigger than the ODROID-U3).

To create the smallest wearable accessory possible, we decided to make our own (tiny) version of a Raspberry Pi, which allows full use of many widely available Pi peripherals such the Pi Camera module connector and 26-pin GPIO port.

The HDMI port and SD slot were changed to micro- sized connectors, and the MIPI DSI port was removed due to limited PCB space.



- PCB Revision 0.1

The first sample PCB (rev 0.1) was designed on April 14, 2014, and had a few jumper wires.



- PCB Revision 0.2

The second run was designed on May 19, 2014, which corrected some of the electronics designs and added an eMMC module socket for test purposes. Note ti

MicroSD C1+/C0 Linux
MicroSD C1+/C0 Android
eMMC Module Reader

Obsolete products

ODROID

ODROID-7 Full Package

ODROID-A4 Full Package

ODROID-PC Full Package

ODROID-S

ODROID-T

ODROID-VU

ODROID-A Full Package

ODROID-U3

ODROID-U2

ODROID-X2

ODROID-E7 Full Package

ODROID-Q2

ODROID-XU3 Lite

ODROID-XU3

ODROID-XU

ODROID-X

ODROID-XU Lite

ODROID-C1

ODROID-XU+E

Smart Power

HiFi Shield for C2/C1+

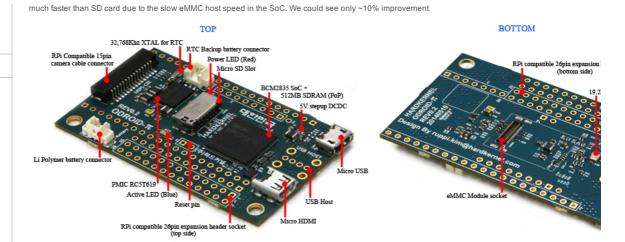
ODROID-Show

ODROID-UPS

UPS2 for U3

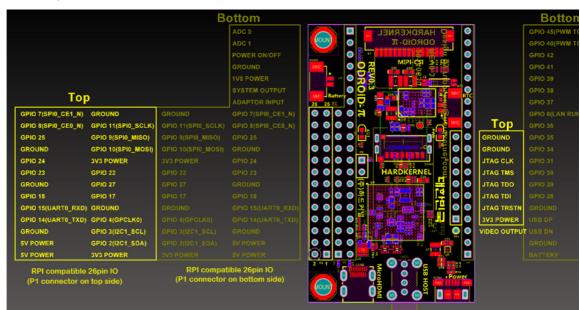
Weather Board

ODROID-W

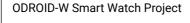


- PCB Revision 0.3

There is no big different from Revision 0.2. It is for the mass production.



MAKE YOUR OWN SMART WATCH





Processor	Broadcom BCM2835 ARM11 700Mhz
memory	Samsung 4Gbit (512MB) LPDDR2 SDRAM
PMIC	Ricoh RC5T619 includes DCDCs, LDOs, ADCs, RTC, Battery charger and Fuel gauge
DCDC	TI TPS61259 is 5Volt step-up DCDC for USB host and HDMI block
Video Output	HDMI type-D (Micro-HDMI)
USB	High-speed USB 2.0 host
GPIO connectors	RPi compatible 13x2-pin header on the top side as well as bottom side for 2-way stacking 20+6 pin header for additional GPIO/ADC/Power/USB connection Total 32 GPIOs and 2 ADCs are available.
Camera connector	15pin MIPI-CSI2 (Pi Camera module compatible)
Memory card slot	Micro-SD (T-Flash)
Power	Micro-USB socket for 5Volt input Li-Polymer battery connector (Molex 53398-0271) http://forum.odroid.com/viewtopic.php?f=104&t=6547
RTC power	Backup battery connector (Molex 53398-0271)
Dimensions	60 x 36 mm
Weight	8 gram

Raspberry Pi or RPi is a trade mark of Raspberry Pi Foundation.

You can discuss all the development issues in this forum. http://forum.odroid.com/viewforum.php?f=102



Copyright 2013 **Hardkernel co., Ltd.** 475-1 ManAnRo, ManAnGu, AnYang, GyeongGi, South Korea ZIP:13962 상호 : (주)하드커널 대표자 : 이제현 I 통신판매업신고번호 : 제 2009-경기안앙-872호 개인정보관리 책임자 : 박화정 사업자등록번호 : 138-81-54116 email : odroid@hardkernel.com Tel : 070-8633-5158/5159/5038 경기도 안양시 만안구 만안로 475-1 우:13962