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
3.5inch Touchscreen Sh
Power Supply & Battery
RTC Backup Battery
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

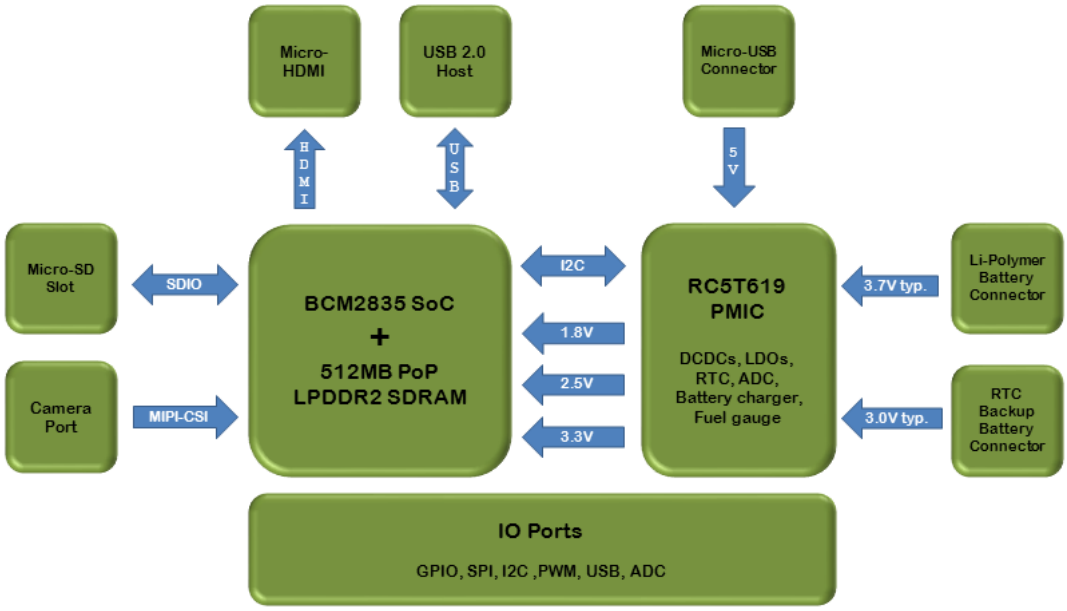
ODROID-W SCHEMATICS
odroidw_rev0.3.pdf

ODROID-W PCB Mechanical drawings (AutoCAD format)
odroidw_rev0.3_mech_dxf.DWG

Device drivers for RTC, ADC, Charger, Fuel Gauge on PMIC
https://github.com/hardkernel/linux/tree/odroidw-3.12.y

WiKi Page
http://odroid.com/dokuwiki/doku.php

BLOCK DIAGRAM



BOARD DETAIL

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

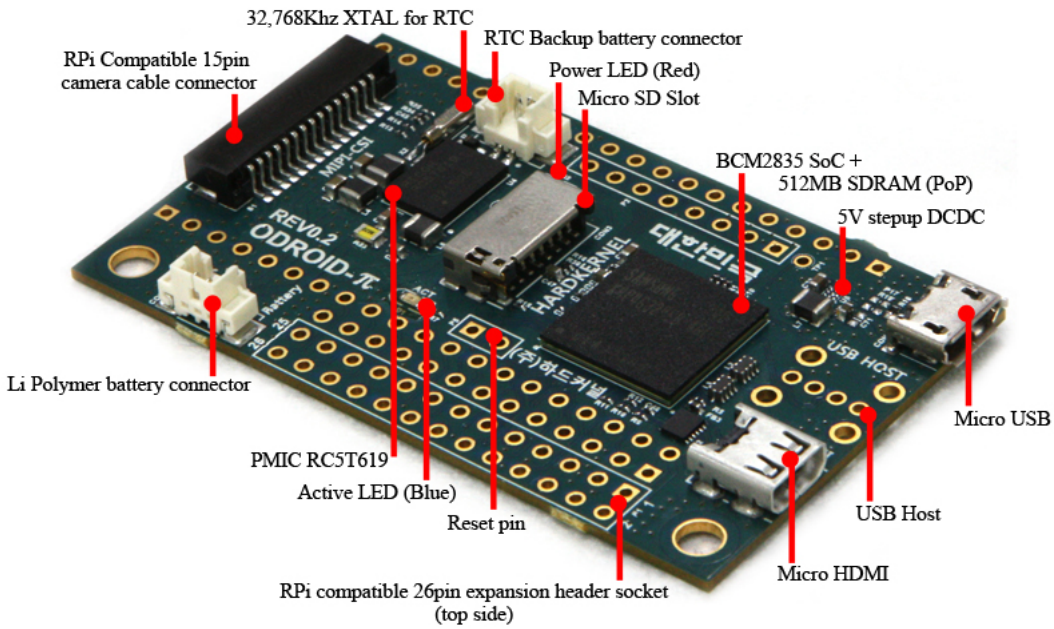
Cables

HDMI 2.0 Cable (Type A
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
DC Plug Cable Assembly
USB-DC Plug Cable 2.5m
USB2.0 OTG Cable

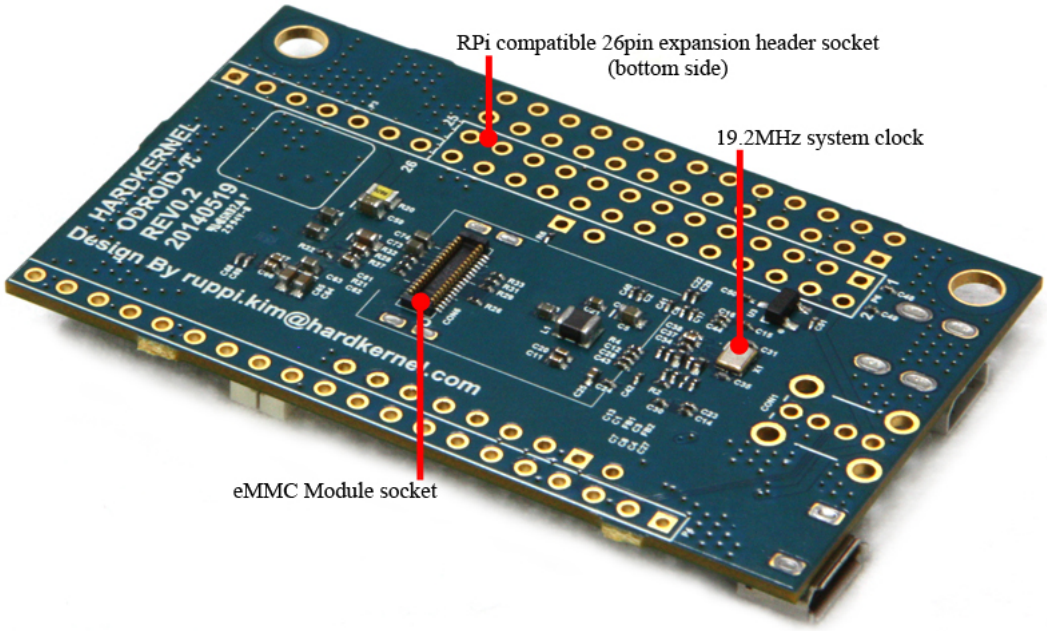
OS Preinstalled Flash Memory

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

TOP



BOTTOM



CPU	Broadcom BCM2835 SoC Low Power ARM1176JZ-F Applications Processor Dual Core VideoCore IV® Multimedia Co-Processor Low power, high performance OpenGL-ES® 1.1/2.0 VideoCore GPU. 1 Gigapixel per second fill rate.
DRAM	Samsung K4P4G324EB Mobile DRAM LPDDR2 4Gb(512MB) PoP 128Mx32bit, 168FBGA package
PMIC	Ricoh RT5T619 Power Management IC It integrates high-efficiency step-down DCDC Converters, low-dropout regulators, Real Time Clock, Li-ion Battery Charger, I2C-Bus Interface, Voltage detections, Thermal shut-down, and 12bit Analog-Digital Converte * Note : ADC input range MUST be 0~2.5 Volt !
Step-up DCDC Converter	TI TPS61259 device provides a power supply solution for battery-powered portable applications. Intended for low-power applications, supports up to 1000-mA load current from a battery discharged as low as 3.4V. The 5 Volt output is used for USB host and HDMI circuitry.
HDMI protector IC	NXP IP4791CZ12 designed to protect mobile HDMI transmitter interfaces. It includes level shifting for the DDC, CEC, hot plug signal ar protection. In addition, all signals are protected by high-level ElectroStatic Discharge (ESD) protection diodes.
Voltage detector IC	Torex XC61FN2412MR for stable system start (Auto-power on) It includes Voltage detector and Delay circuit
Li+ Rechargeable battery connector	Molex 53398-0271 1.25mm pitch Header, Surface Mount, Vertical type (Mate with Molex 51021-0200) Connector for Li-Polymer battery Maximum charging current is limited to 1A. Charging voltage is 4.2V.
RTC battery connector	Molex 53398-0271 1.25mm pitch Header, Surface Mount, Vertical type (Mate with Molex 51021-0200) Connector for RTC backup battery(CR2032 or equivalent)

- 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-Q
- ODROID-XU+E
- Smart Power
- HiFi Shield for C2/C1+
- ODROID-Show
- ODROID-UPS
- ODUINO One
- UPS2 for U3
- Weather Board
- ODROID-W

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