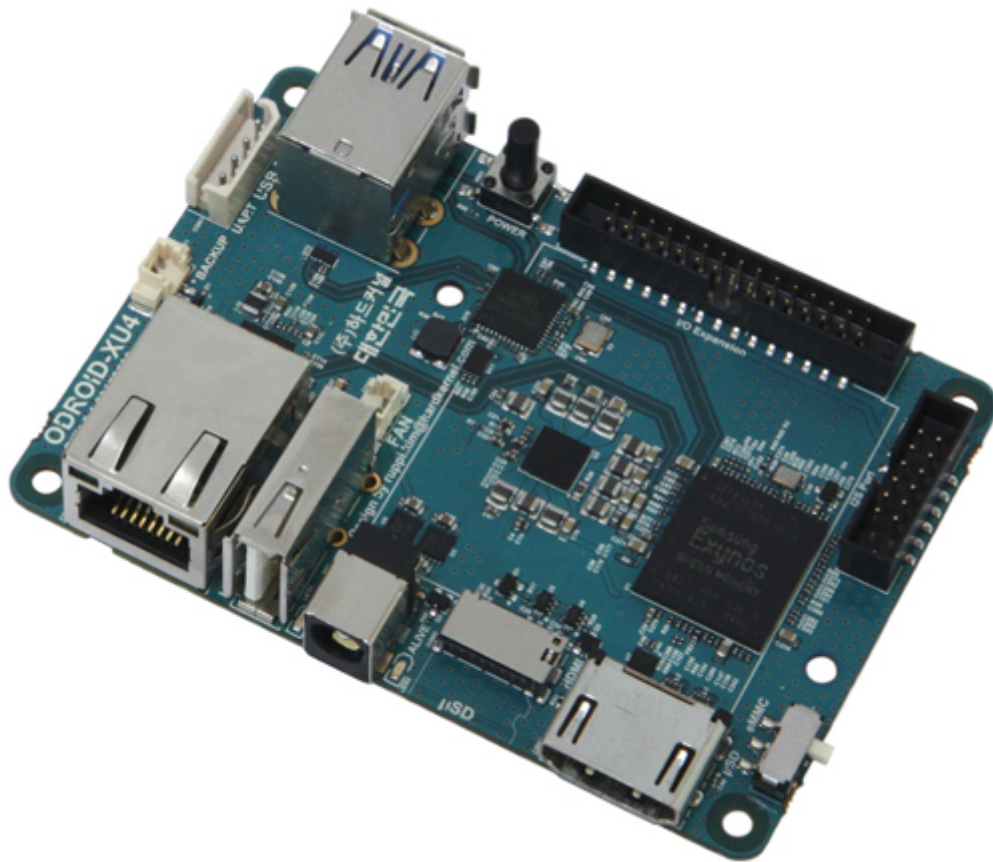


Introduction

The XU4 is fully software compatible with XU3!

However, the XU4 is more compact, more affordable and more expandable.



XU4 PCB revision history

LOT	PCB Revision	Description
EL-1507	rev0.1 20150527	The first production version
EL-1510	rev0.1 20150825	Add a R99 of Pull-Down resistor on the PMIC PSHOLD signal. Add a C289 of dummy capacitor for physical balancing the heatsink on the PCB
EL-1511	rev0.1 20150825	
EL-1601	rev0.1 20150825	
EL-1603	rev0.1 20151201	Added a pull-up Resistor on a UART TXD PIN. Added a 100uF capacitor on DC JACK.
EL-1606	rev0.1 20151201	RILIM of NCP380 is changed to 6.49kΩ and USB current limits at 2A.

We did not to change the PCB revision, because any key features were not changed nor added.

Hardware and Peripherals

- [Hardware information](#)
- [Boot Mode Configuration](#)
- [HDMI PHY Configuration](#)
- [How to install a 40X40-25mm heatsink](#)
- [How to fix the USB 3.0 ports contact issue](#)[<http://forum.odroid.com/viewtopic.php?f=95&t=15302#p99467>]
- [Low noise cooler options](#)[<http://forum.odroid.com/viewtopic.php?f=97&t=15252&p=99125#p99125>]
- [Lower the in-rush current for battery powered XU4 by drone](#)[<http://forum.odroid.com/viewtopic.php?f=97&t=14988#p139030>]
- [Support GPIO based IR Blaster](#)

Software Platform

- [Partition Table](#)
- [U-boot](#)
- [Linux](#)
- [Linux \(v4.2 experimental\)](#)
- [Android](#)
- [Tips for ODROID-XU3](#)
- [Tips for ODROID-XU4](#)
- [Boot the Linux OS over NFS](#)
- [Virtualization using Xen on ODROID-XU3/4](#)
- [Performance Counter \(PMU\) on Linux](#)
- [WiFi Soft AP](#)
- [FAQ](#)

GPIO ports

- [30pin GPIO Ports](#)
 - [GPIO Map for WiringPi Library](#)
 - [GPIO Port register MAP and C-code example](#)
 - [I2C with Expansion board](#)
 - [SPI](#)
 - [UART](#)
 - [ADC](#)
 - [GPIO IRQ](#)
- [12pin GPIO Ports](#)
 - [GPIO Map](#)
 - [HSI2C](#)
- [Using the Expansion Board](#)
- [Using the temperature & humidity sensor with H/W I2C](#)
- [XU4 Shifter Shield Board & GPIO Map](#)
 - [Basic GPIO/ADC access with WiringPi C code and Python](#)
 - [Using the 16x2 LCD IO shield with the WiringPi](#)
 - [Using the SPI Dot-Matrix](#)
 - [Using the 3.2inch TFT+Touchscreen Shield](#)
 - [Using the 3.5inch TFT+Touchscreen Shield](#)
- [CloudShell](#)

Software(OS) Release

Please read ****THIS**** once before you start to download and flashing S/W release on your ODROID device.

- [Android](#)
- [Linux/Ubuntu](#)
- [Linux Mainline \(Experimental\)](#)

Other Operating Systems (Unofficial and Official)

- Android 6.0.1 Marshmallow CM-13.Q[<http://forum.odroid.com/viewtopic.php?f=94&t=17712>]
- Android 5.1.1 Lollipop CM-12.1[<http://forum.odroid.com/viewtopic.php?f=94&t=9316>]

- OpenMediaVault [<http://forum.odroid.com/viewtopic.php?f=98&t=14907>]
- Ubuntu 14.04 LTS Server [<http://forum.odroid.com/viewtopic.php?f=95&t=15261>]
- GameStation Turbo with XBMC(based on Debian Wheezy/Jessie)[<http://forum.odroid.com/viewtopic.php?f=98&t=7322>]
- Android TV OS [<http://forum.odroid.com/viewtopic.php?f=94&t=15084>]
- Kali Linux 2.0[<https://www.offensive-security.com/kali-linux-vmware-arm-image-download/>]
- Yocto project with Mali GPU Recipes[<https://github.com/ARM-software/meta-mali>]
- Minimal Debian Jessie [<http://forum.odroid.com/viewtopic.php?f=96&t=17542>]
- Odroidbian Jessie with MATE & KODI (Debian Jessie) [<http://forum.odroid.com/viewtopic.php?f=96&t=16844>]
- DietPi (Debian Jessie)[<http://forum.odroid.com/viewtopic.php?f=98&t=15700>]
- Recallbox.remix 5.0 for Game emulators (based on Buildroot Linux)[<http://recalbox.remix.free.fr/>]