Ubuntu Kylin for Raspberry Pi Install guide

We will walk you through the steps of flashing Ubuntu Kylin on to your Raspberry Pi and getting logged in.

What you'll need

- A Raspberry Pi 2, 3, or 4
- A micro-USB power cable
- A microSD card with the Ubuntu Kylin image
- A monitor with an HDMI interface
- An HDMI cable for the Pi 2 & 3 and a MicroHDMI cable for the Pi 4
- A USB keyboard

Get the Ubuntu Kylin preinstall image

You can download the Ubuntu Kylin for Raspberry Pi 's pre-installed image from Ubuntu Kylin official web site.

Flash Ubuntu onto your microSD card

The first thing you need to do is take a minute to copy the Ubuntu image on to a microSD card by following our tutorials, we have one for Linux machines, Windows machines and Macs.

Create an Ubuntu Kylin image for a Raspberry Pi on Ubuntu Kylin or other Linux distro

In this chapter, we will walk you through creating a bootable Ubuntu Kylin microSD card for your Raspberry Pi.

1. Change dir to the path of Ubuntu Kylin pre-installed image.

```
xz -d ubuntukylin-20.04-desktop+raspi.img.xz
```

dd is the most general image burn tool on Linux, we recommends directly use dd.

```
dd if=ubuntukylin-20.04-desktop+raspi.img of=/dev/sdX status=progress
```

NOTE : Change the **X** in /dev/sdX to actual device.

Create an Ubuntu Kylin image for a Raspberry Pi on Windows

1. Change dir to the path of Ubuntu Kylin pre-installed image. If the Ubuntu image file you have downloaded ends with an .xz file extension, you will need to extract it first. To do so, you might have to install an archive extractor software, like 7-zip or bandzip.

2. Download and install Win32DiskImager, then launch it.

3. In order to flash your card with the UbuntuKylin image, Win32DiskImager will need two elements:

   - An Image File: navigate to your Downloads folder and select the image you have just extracted.
   - A Device: the location of your microSD card. Select the drive on which your microSD card is mounted.

   When ready click on Write and wait for the process to complete

Create an Ubuntu image for a Raspberry Pi on MacOS

1. Change dir to the path of Ubuntu Kylin pre-installed image. Open a terminal window (Go to Application » Utilities, you will find the Terminal app there), then unmount your microSD card with the following command::

```
diskutil unmountDisk /dev/diskX
```

NOTE : Change the **X** in `/dev/diskX` to actual device.

When successful, you should see a message similar to this one: `Unmount of all volumes on /dev/diskX was successful`

1. You can now copy the image to the microSD card, using the following command:

```
sudo sh -c 'gunzip -c ubuntukylin-20.04-desktop+raspi.img.xz | sudo dd of=/dev/diskX bs=32m status=progress'
```

And wait for burn finish.

Boot Ubuntu Kylin

1. You need to attach a monitor and keyboard to the board. You can alternatively use a serial cable.
2. Now insert the microSD card
3. Plug the power adaptor into the board

Login to UKUI desktop

When prompted to log in, use `kylin` for the username and `kylin` for the password. You will be asked to change this default password after you log in.

You are now running the Ubuntu Kylin on your Raspberry Pi.

Q&A

What should I do when get `no space left` after boot?

The current pre-installed image assumes that the memory size of your microSD memory card is small, and a small value is set for the `writable` partition, only for the first boot. When you get `nospace left` , that means insufficient storage space, please manuallyresize ` writable` partition with suitable size.