Running Ubuntu Desktop on Arm-based laptops

Gordan Markuš – Ubuntu Summit 2023

$ whoami

Ubuntu on Arm

Ubuntu on Arm

Ubuntu 11.10 on ARM

Victor Tuson Palau
on 18 October 2011

ⓘ This article is more than **12 years old.**

I have been using Ubuntu 11.10 on ARM now for a couple of days and I have to say: It is great! Ubuntu has had a long history of supporting ARM Systems on a Chip (SoC) since 2008, but Ubuntu 11.10 is a significant milestone.

Introducing.. Ubuntu Server on ARM – Technology Preview

Canonical announced back in August that Ubuntu Server 11.10 would include the first ARM version of the product, and here it is. While this is just the first step on an exciting journey, it is worth to celebrate that the voyage has started. I look forward to see what 12.04 LTS brings us on this space!

Ubuntu on Arm

[Ubuntu Summit 2022 | Ubuntu on ARM](#)

Linux Desktop on Arm Laptops

Linux Desktop on Arm Laptops
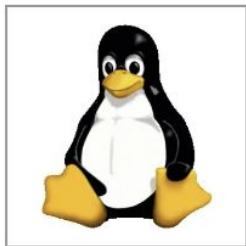
Native development on Arm

Battery life

Performance

Linux Desktop on Arm Laptops

Linux 5.20 To Support The Qualcomm Snapdragon 8cx Gen3, ThinkPad X13s Arm Laptop

Written by Michael Larabel in Linux Kernel on 30 July 2022 at 09:33 AM EDT. 30 Comments

Submitted early ahead of tomorrow's Linux 5.19 stable kernel release are the SoC changes destined for the Linux 5.20 merge window. There are more than one thousand SoC patches for Linux 5.20 cycle adding and updating many SoCs and board/platform coverage. One of several notable additions this cycle is introducing the Qualcomm Snapdragon 8cx Gen3 support for high-end Arm laptops.

Ubuntu Desktop on Lenovo X13s

Ubuntu Making Progress On The Lenovo ThinkPad X13s Arm Laptop Support

Written by Michael Larabel in Ubuntu on 17 February 2023 at 09:12 AM EST. 37 Comments

The Lenovo ThinkPad X13s is one of the most interesting Arm-powered laptops at the moment with this laptop powered by a Qualcomm Snapdragon 8cx Gen 3 SoC, 13.3-inch 1920 x 1200 display, up to 32GB of RAM, up to 28 hour battery life, and current pricing starting below $1k USD. Upstream Linux support has been progressing around the ThinkPad X13s and it looks like Ubuntu has also been making some strides on easily supporting this Arm laptop.

Ubuntu Desktop on Lenovo X13s

Concept Image

Improvements

Current Image

Ubuntu 23.10

[FFe] Build and release ubuntu desktop arm64 x13s image on cdimage.ubuntu.com

Ubuntu 23.04

Boot experience and upgrade to kernel 6.2

Ubuntu 22.10

https://launchpad.net/~ubuntu-concept/+archive/ubuntu/x13s

Ubuntu Desktop on Lenovo X13s

Current Image

Ubuntu 23.10

[FFe] Build and release ubuntu desktop arm64 x13s image on cdimage.ubuntu.com

Highlights:

- Easy Installable Image
- GPU Acceleration
- Wifi and Bluetooth
- Fingerprints Scanner
- Touchscreen

Work in progress:

- Power Management
- Secure Boot
- Camera

Ubuntu Desktop on Lenovo X13s

Ubuntu 23.10.1 (Mantic Minotaur) Daily Build

Select an image

Desktop image

The desktop image allows you to try Ubuntu without changing your computer at all, and at your option to install it permanently later. This type of image is what most people will want to use. You will need at least 1024MiB of RAM to install from this image.

64-bit PC (AMD64) desktop image

Choose this if you have a computer based on the AMD64 or EM64T architecture (e.g., Athlon64, Opteron, EM64T Xeon, Core 2). Choose this if you are at all unsure.

Lenovo X13s Gen 1 desktop image

For Lenovo X13s Gen 1.

Source: https://cdimage.ubuntu.com/daily-live/20231016.1/

Thanks to everyone from the community and our partners contributing to this effort!

What's next?

drum roll

[Ubuntu Summit 2023 - Ubuntu Boot Demo on Snapdragon Elite X.mp4](#)

Thank you! Questions?