

# ARM Laptops

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# Introduction

- aarch64-laptops project active since mid 2019
- Aim to enable hackers to develop on ARM hardware
- Future goal to have “normal” users

# Available laptops

- ASUS NovaGo TP370QL (SD835)
- HP Envy x2 (SD835)
- Lenovo Miix 630 (SD835)
- Lenovo Yoga C630 (SDM850)
- Microsoft Surface ProX (SQ1)
- Lenovo Flex 5G (8cx)
- Acer Chromebook Spin 513 (7c)

# Lenovo Yoga C630

Snapdragon 850

13.3" FHD screen

8GB DDR

256GB UFS storage

LTE 4G

“Up to 22 hours”



- Debian installer
- Keyboard/Touchpad/Touchscreen
- Storage
- Accelerated graphics
- USB
- WiFi
- Audio
- Bluetooth

## Ongoing/remaining:

- Battery and USB Altmode
- Backlight
- LTE
- Displayport
- Low power and suspend

# Lenovo Flex 5G

Snapdragon 8cx

14.0" FHD screen

8GB DDR

256GB UFS storage

LTE 5G

"Up to 25.6 hours"



- Debian installer
- Keyboard/Touchpad
- Storage
- EFIFB
- USB\*
- WiFi

## Ongoing:

- eDP, DP, USB Altmode
- Battery

## More:

- PCIe and SDX55
- Audio
- Bluetooth
- Backlight
- Low-power

\* External USBs functional

# Acer Chromebook Spin 513

Snapdragon 7c

13.3" FHD screen

4GB DDR

64GB storage

LTE 4G

14 hours battery

- Good upstream support
- Ongoing work to run standard distros



# Participate

<https://github.com/aarch64-laptops/debian-cdimage>

<https://lists.linaro.org/mailman/listinfo/aarch64-laptops>

#aarch64-laptops on freenode

## Suggested activities:

- Try it out!
- Port your favourite distro
- Help figure out more details about the hardware
- Write/port device drivers

# Q&A



# Thank you

Accelerating deployment in the Arm Ecosystem

