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
- 256GB UFS storage
- 13.3” FHD screen
- LTE 4G
- 8GB DDR
- “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

Linaro Connect
Virtual Spring 2021
Lenovo Flex 5G

Snapdragon 8cx 256GB UFS storage
14.0” FHD screen LTE 5G
8GB DDR “Up to 25.6 hours”

● Debian installer
● Keyboard/Touchpad
● Storage
● EFIFB
● USB*
● WiFi

* External USBs functional

Ongoing:
● eDP, DP, USB Altmode
● Battery

More:
● PCIe and SDX55
● Audio
● Bluetooth
● Backlight
● Low-power
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