

Chromebook/Linux "Show And Tell"
ARC Meeting 2/9/2018

Summary: In search of a computer for a digital data capability with my "Go-Kit," I have discovered that a Chromebook laptop loaded with Linux is a very good solution for a couple of reasons. The price and suitability are very hard to beat. Refurbished Chromebooks are now selling at prices between 50.00 to \$100.00, depending on overall condition; see the [Tanga website](#) for today's prices. Conditions are classes A, B, and C, with C having the most signs of wear. At these prices, as dedicated ham computers, these Chromebook laptops are far less than other laptops in price and; for portability are less than Raspberry Pi based computers. Although, a Raspberry Pi computer is cheap; a case, a monitor, a keyboard, and required cabling can drive the total cost toward \$200.00, with little consideration given to suitability for an operational environment. Laptops are inherently more suited for operational environments. The Linux operating system is free along with an almost unlimited number of free applications. Thus, the Chromebook fitted with Linux is a very economical choice for a dedicated ham station, whether for a portable station or a fixed station. To use a Chromebook with Linux, software especially developed for that purpose must be used; Crouton and the Gallium OS are most popular. Many references are included below that describe how to run Linux on a Chromebook. However, before any modifications to a Chromebook are attempted, it is highly recommended that an image of the Chromebook be safely stored away in case it has to be restored to factory settings.

References

Ubuntu Linux for Hams

<http://www.arrl.org/ubuntu-linux-for-hams>

Ubuntu/ A Beginner's Guide - Ubuntu-A-Beginner's-Guide.pdf

<http://cdn.makeuseof.com/wp-content/uploads/2017/10/Ubuntu-A-Beginner%E2%80%99s-Guide.pdf>

How to Create a Chromebook Recovery USB Drive Using Chrome OS

<https://computers.tutsplus.com/tutorials/how-to-create-a-chromebook-recovery-usb-drive-using-chrome-os-cms-28842>

How to Reset a Chromebook - Factory Reset - Wipe Personal Data

<https://www.laptopmag.com/articles/how-to-reset-a-chromebook>

How to Install Linux on a Chromebook and Unlock Its Full Potential

<https://lifehacker.com/how-to-install-linux-on-a-chromebook-and-unlock-its-ful-509039343>

Asus C200 Chromebook: Enabling dev mode, installing Ubuntu – Liliputing

<https://liliputing.com/2014/06/asus-c200-chromebook-enabling-dev-mode-installing-ubuntu.html>

How to install Linux on a Chromebook (and why you should) | Ars Technica

<https://arstechnica.com/gadgets/2017/06/how-to-install-linux-on-a-chromebook/>

How to Install Linux on a Chromebook

<https://www.laptopmag.com/articles/install-linux-chromebook>

How to Install and Use Wine to Run Windows Applications on Linux

<https://www.linux.com/print/82194>

How To Install Software In Linux : An Introduction | Linux.com | The source for Linux information
<https://www.linux.com/blog/how-install-software-linux-introduction>

KB1OIQ - Andy's Ham Radio Linux download | SourceForge.net
<https://sourceforge.net/projects/kb1oig-andysham/>

GalliumOS – A fast and lightweight Linux distro for ChromeOS devices
<https://galliumos.org/>

Converting a Dell Chromebook to a Linux HAM Shack – K7JLJ.com
<https://k7jlj.wordpress.com/2017/01/22/converting-a-dell-chromebook-to-a-linux-ham-shack/>

How to install apps on Linux | Opensource.com
<https://opensource.com/article/18/1/how-install-apps-linux>

Beginner Geek: How to Install Software on Linux
<https://www.howtogeek.com/191245/beginner-geek-how-to-install-software-on-linux/>

Linux for Ham Radio - starting out with a fresh install, what next? - YouTube
<https://www.youtube.com/watch?v=TxSPgVr98N8>

chromebook – Tanga (2/9/2018)
<https://www.tanga.com/deals/search?q=chromebook>

Crouton - Chromebook Guide
<https://chromebook.guide/crouton/>
Installing Linux on a Chromebook with Crouton - YouTube
<https://www.youtube.com/watch?v=cluUA3eY29s>

How to Install Ubuntu Linux on Your Chromebook with Crouton
<https://www.howtogeek.com/162120/how-to-install-ubuntu-linux-on-your-chromebook-with-crouton/>

Chromebooks: Why We Still Need Linux Via Crouton
<https://chromeunboxed.com/chromebooks-need-ubuntu-linux-crouton/>

How to Install and Run Linux on a Chromebook
<https://www.lifewire.com/install-linux-on-chromebook-4125253>

Crouton: Turn your Chromebook into far more than a "glorified web browser" - Android Authority
<https://www.androidauthority.com/crouton-turn-your-chromebook-into-far-more-than-a-glorified-web-browser-663044/>

How to Easily Install Ubuntu on Chromebook with Crouton | Linux.com | The source for Linux information
<https://www.linux.com/learn/how-easily-install-Ubuntu-chromebook-crouton%20>

How to set up a Pixelbook for programming - The Verge
<https://www.theverge.com/2017/11/16/16656420/google-pixelbook-chromebook-development-linux-crouton-how-to>

Complete Crouton Installation Guide (Linux on any Chromebook) | Code Donut

<https://www.codedonut.com/chromebook/install-crouton-chromebook/>

How To Install Linux On A Chromebook With Crouton

<https://www.addictivetips.com/ubuntu-linux-tips/install-linux-on-a-chromebook-with-crouton/>

Running Linux on a Chromebook - TechSpot

<https://www.techspot.com/guides/1509-how-to-run-linux-chromebook/>

Use Linux On Your Chromebook - Linux Foundation Training

<https://training.linuxfoundation.org/why-our-linux-training/blogs/lftstaff/846-use-linux-on-your-chromebook>

How to install Linux on a Chromebook | PCWorld

<https://www.pcworld.com/article/3187441/computers/how-to-install-linux-on-a-chromebook.html>

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