

CutiePi tablet - User Manual



- Product Name: CutiePi tablet
- Product Model: CUTIEPI-01
- FCC ID: 2A3SP-CUTIEPI-01

Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful

interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver. -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, The device has been evaluated to meet general RF exposure requirements. The device can be used in portable exposure conditions without restriction. Use only the supplied antenna.

Introduction

CutiePi is a portable Raspberry Pi 4 based tablet powered by the Compute Module 4. It has a 5000mAh li-po battery, an 8 inch multi-touch display with 1280 x 800 resolution, and a handle that also doubles as a stand.

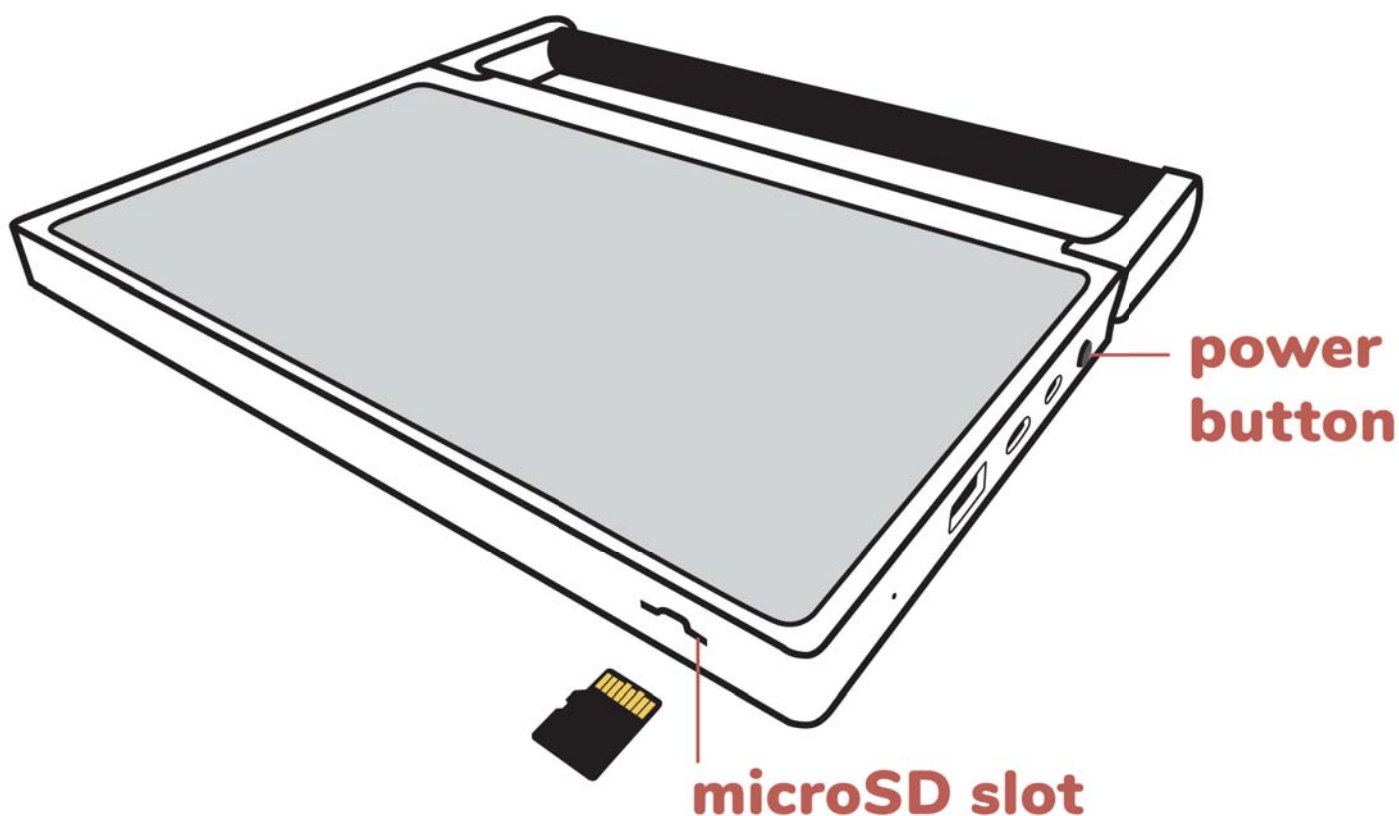


The tablet also has a built-in gyroscope, a camera, a microphone and a speaker, you can simply carry or use it like your everyday gadgets.

Specifications

Item	Description
Processor	BCM2711, Quad-core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5 GHz
Display	8" IPS LCD (1280x800)
Battery	Li-Po 5000 mAh
Connectivity	WLAN 2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac, Bluetooth 5.0, BLE
Camera	Rear-facing camera 5MP (OV5647)
I/O	1x USB type-A, 1x USB type-C (charging), 1x micro HDMI, 1x microSD slot
Dimensions	206(W) x 134(H) x 14(D) mm
OS	Raspberry Pi OS + CutiePi shell

How to Get Started with your CutiePi



Turning CutiePi On / Off

- Power On: Press and hold for 3s
- Sleep/Wake: Short press
- Force Shutdown: Press and hold for 10s

Please make sure the display is completely turned off after it was shutting down, otherwise it may drain the battery.

Mind the Heat

Do not be alarmed if the back of the CutiePi gets hot:

- This is by design. This means that the heat sink is doing its job
- If you wish, you may cool down CutiePi by adjusting the `Power Mode` in the Settings

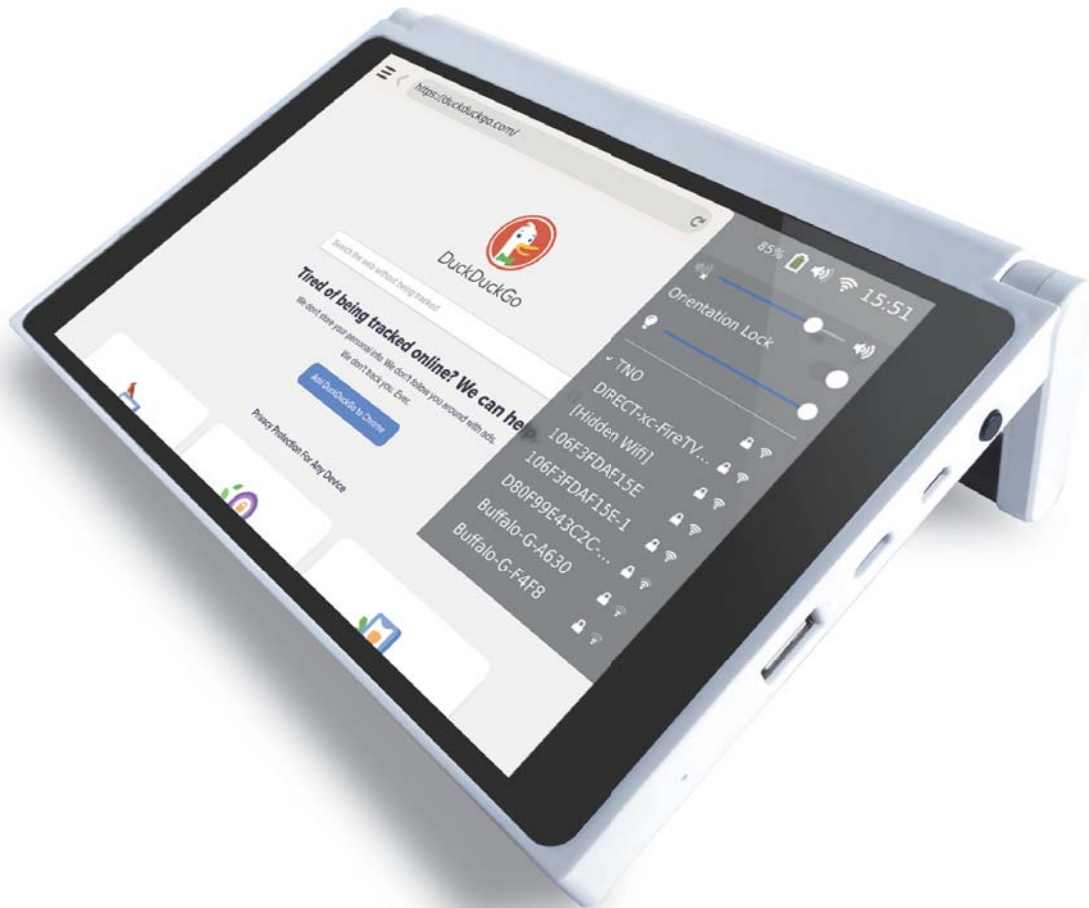
In Case of Software Upgrade

Just like Raspberry Pi, the CutiePi's OS runs on a micro SD card:

- The SD card slot is located in the lower right corner of the device
- It is spring loaded, and can be released with a gentle push
- Insert the card face down, as shown above

You can find more information on <https://cutiepi.io/quickstart>

CutiePi shell - the User Interface



CutiePi shell, our mobile UI powered by the open source Qt framework, turns Raspberry Pi OS into a functional tablet UX while maintaining compatibility.

It has most basic functions covered, from typing a command in terminal, connecting to a WiFi hotspot, to logging into web.

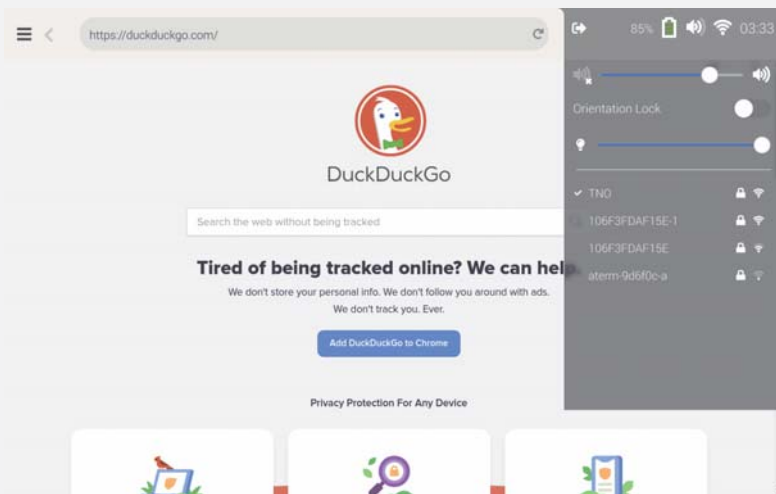
Features

- Lockscreen with sleep/wake button events handling
- Web browser, terminal emulator, and on-screen keyboard
- Built-in adblocker, using ABP-compatible filters
- Side-tab for multitasking
- WiFi configurator
- Battery charging status and level reading
- Orientation sensor support (accelerometer and gyroscope)

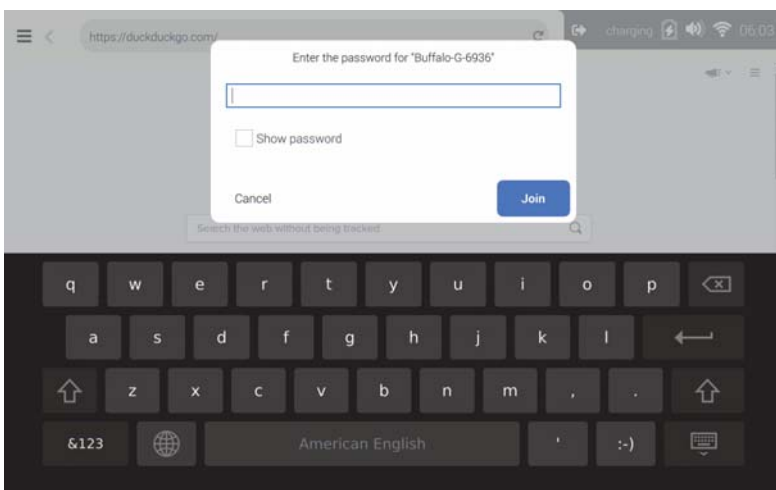
Screenshot	Description



Lockscreen, swipe from bottom to top to unlock the screen. You can change the wallpaper in Settings.

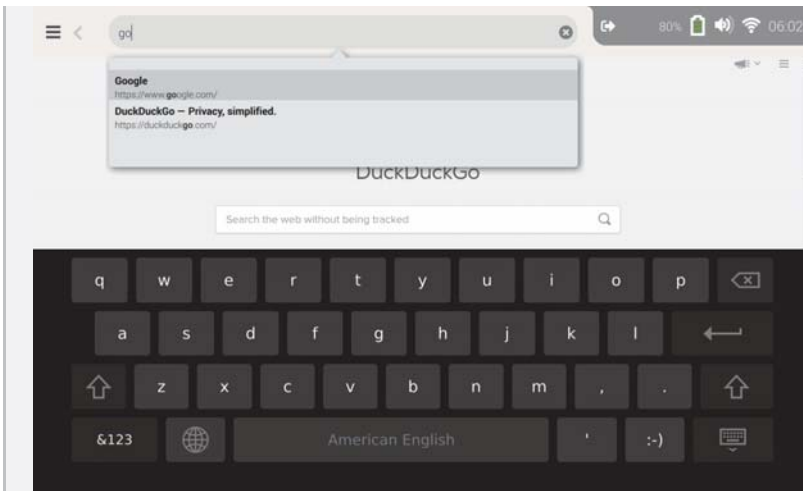


Show the system status by tapping at the upper right corner, you can control the audio volume, orientation lock, system brightness and wifi here.

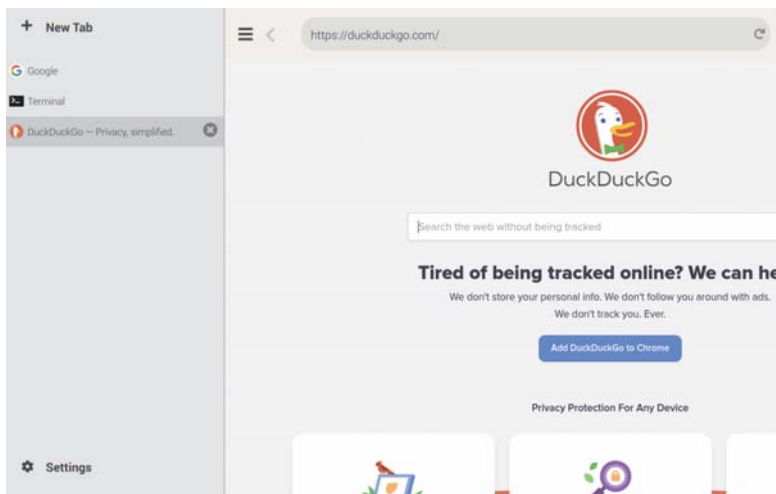


Tap on any input field in the shell will bring up the virtual keyboard. Tap on the "🌐" icon at the bottom left will bring up the language selector.

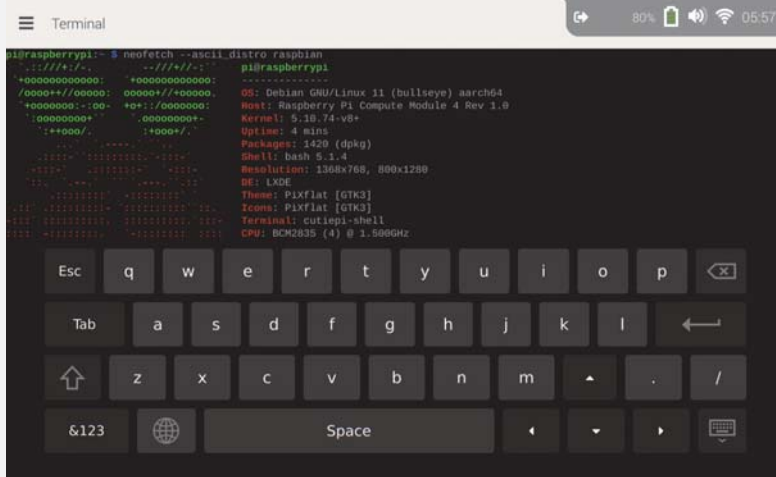
Typing in the URL bar will bring up the



history view

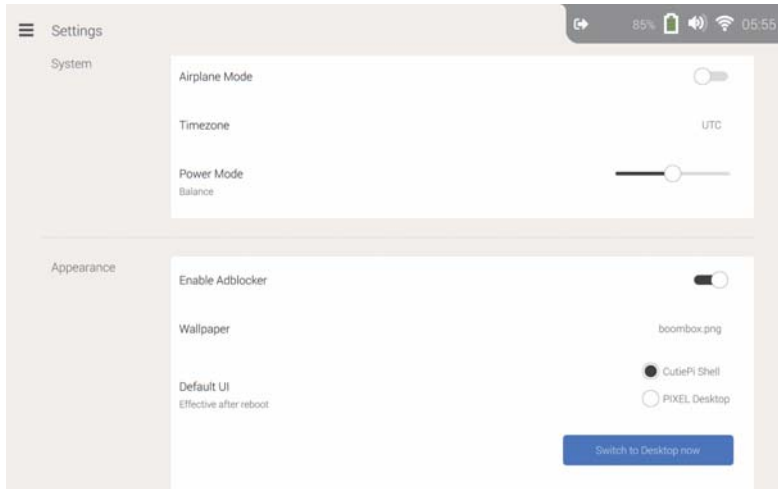


Tap on the upper left corner "≡" icon will open the side tabs view. You can open/close tab or switch to different tabs here.



Long press on "+ New Tab" will open up a terminal emulator tab. A terminal layout keyboard will show up accordingly.

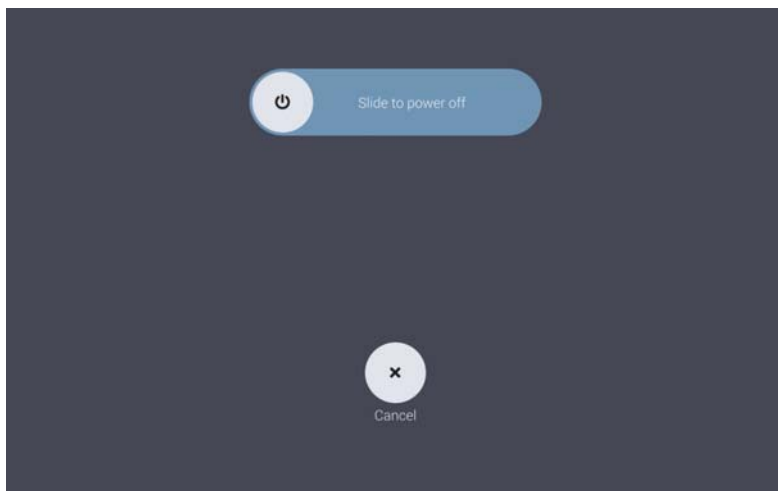
The Settings view gives you more



controls over the system, for example airplane mode, timezone, and power mode.



You can click on the "Switch to Desktop now" button to toggle shell or desktop UI.



Press and hold the power button for 6 seconds to bring up this power off UI.

Cautions

We expect and even encourage you to experiment with the software and hardware. That said, please keep in mind that the device is under standard warranty, so breaking components during disassembly is a subject to voiding your warranty. We trust this is common sense.

Support

For any suggestions or software related questions, please use the community chat: https://t.me/cutiepi_io

For any non-software related questions please mail to hello@cutiepi.io

Happy Hacking!