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pcDuino V2: an MiniPC with Arduino headers ubuntu android google

by pcDuino

4 customer reviews

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Product Description

pcDuino (V2) is a high performance, cost effective mini PC platform that runs PC like OS such as Ubuntu and Android ICS. It outputs its screen to HDMI enabled TV or monitor via the built in HDMI interface. It is specially targeted for the fast growing demands from the open source community. The platform could run full blown PC like OS with easy to use tool chain and compatible with the popular Arduino ecosystem such as Arduino Shields and open source projects etc.

pcDuino V2 has a built-in WiFi module and Arduino headers. Ubuntu images are same for both pcDuino and pcDuino V2.

Features:

- A Mini PC with Arduino type Interface powered by ARM Pro Spec:
- CPU: 1GHz ARM Cortex A8
- GPU: OpenGL ES2.0, OpenVG 1.1 Mali 400 core
- DRAM: 1GB
- Onboard Storage: 2GB Flash, SD card slot for up to 32GB
- Video Output: HDMI
- OS: Linux + Android
- Extension Interface: 2.54 mm Headers compatible with Arduino
- Network interface: RJ45 and built-in WiFi

What pcDuino can Do?

- With pcDuino, user could do lots of fun stuff including but not limited to the follows:
- Learn or teach to program
- Interface with hardware
- Use Internet browser or Office from Ubuntu
- Learn Ubuntu linux
- Play movie
- Play game
- DIY projects

Hardware Specifications

Items Details CPU 1GHz ARM Cortex A8 GPU OpenGL ES2.0, OpenVG 1.1 Mali 400 core DRAM 1GB Onboard Storage 4GB Flash, SD card slot for up to 32GB Video Output HDMI OS Linux3.0 + Ubuntu12.10 Extension Interface 2.54mm Headers Network interface RJ45 and built-in WiFi Power 5V 2A Software Specifications

Items Description OS
- Ubuntu
- Android ICS 4.0

Language
English

API
- All

Product Information

Product Dimensions	5.5 x 2.8 x 1.1 inches
Item Weight	0.3 ounces
Shipping Weight	0.3 ounces (View shipping rates and policies)
Manufacturer	pcDuino
ASIN	B00HCZH6WG
Item model number	6460686
Customer Reviews	4 customer reviews 4.4 out of 5 stars
Best Sellers Rank	#8,918 in Computers & Accessories > Computer Components
Date first available at Amazon.com	January 10, 2014

Warranty & Support

Product Warranty: For warranty information about this product, please click here

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4
$11.45

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19
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222
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Advanced piece of tech!

By Harold Galloup on May 22, 2014

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PWM by software is a bad idea. The stochastic nature of threads make them non suitable for projects that require accurate timing signals. The video I posted driving an array of TowerPro MG995, was just the learned lesson for this.

[July 5, 2014]
I'm in love with my pcDuino. You can see it in action through any of the links below:

Sunkee Tower Pro MG995 Metal Gear 13kg/55g High Speed & Torque Digi Servo with 2 Pcs servo horn Set (Long Arm , Sail Arm)

or (if it hasn't yet been replaced by the (ALEBS) Amazon's Link to Ellipsis Background Service ;)

http://www.amazon.com/product-reviews/B00D3ZXU2O/ref=acr_dpx_hist_3?
ie=UTF8&filterBy=addThreeStar&showViewpoints=0

Price is a higher compared to linksprite's offer, so you'd be more competitive by decreasing the price.

[May 22, 2014]
This little hi tech piece of hardware is really promising! I upgraded mine to 4 GB nand flash storage really easy. I just needed to move the rar package to Windows, unrar it there and then move it back to ubuntu. It worked as expected!

I've never worked before with linux and now I feel really comfortable. I do know that I have a really long path to walk on but this is the perfect pain in the three letters for me..., I really love electronics and software.

WiFi configuration was pretty straightforward and it works perfectly even staying at the tty after booting up.

I'm now creating my own C++ programs and compiling them with g++ really easy. I now got access to the Arduino/pcDuino header pins so I'll start to plug in my stuff. Read more ›

Comment   One person found this helpful. Was this review helpful to you? | Yes | | No | Report abuse

A little more than pi

By CallED on April 15, 2014

Verified Purchase

It is a little more than a raspberry pi, I like that the arduino, Linux, and wifi are built in. But they didn't mention that you need an $11.99 T-Board bridge to use Arduino shields.
Most Arduino Shields operate on 5 volts. Raspberry Pi and PCduino operate on 3 volts. YOU WILL NEED THE T-BOARD BRIDGE!!

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[...]

By Matt on March 23, 2014

Verified Purchase

Ordered mine next day I was so excited.

Per LinkSprite: "pcDuino team decided to free upgrade the NAND flash to 4GB in latest batch of production run. If you find that the NAND flash (which is on the back of pcDuino) is of model H27UBGxxx. Congratulation! You just got a pcDuino with 4GB flash."

Per this product's page: "Onboard Storage: 2GB Flash (4GB after 02/01/2014), SD card slot for up to 32GB"

So I'm stoked, check the chipset to begin utilizing all 4GBs (since it still only utilizes 2Gbs noob). Bam, H-2-7-U-A.... NOOOOOO A Whyyyyyy, ugh. Check all the other chips in vain for a "UBG" anywhere. I now paid $84 for something I now feel is worth less (or is it worthless?).

I dunno, with electronics, we do research and it really is the little things. So I'm frustrated. Not gonna send it back because I don't actually have faith I can get a different one I guess.

Otherwise, the thing is heady like a funrun of fresh pow pow, carving tognar on a fresh wax job.
I got an LED to blink using python, having written Arduino code for about a year now, get at me.

For fellow dorks here's a few answers:
Switching the video output to 1080p is a simple menu setting.
Wifi is most excellent.
I (for lack of whatever) was like, "Oh shoot man, I forgot to buy a USB hub" I was considering a rasp pi, skipped it for lack of stuffs on board (still number one for computer vision though; skipped the Beaglebone black because this has wifi, a regular hdmi port that isn't a damn half mm from the usb jack. I digress...) but the Pi does have 2 USB ports, so I got all mixed up. This schwilly mcIII device let me plug my mac mouse into my mac keyboard into my PCduino. I know, right? Read more ›

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Five Stars

By ERICK FERNANDO on November 22, 2015

Verified Purchase

This OK application

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