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by Beagleboard

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Product Description

Size: **BeagleBone Rev B**

A true open hardware, community-supported embedded computer for developers and hobbyists. Boots Linux and get started on development in less than 5 minutes with just a single USB cable.

Product Information

Size: **BeagleBone Rev B**

Technical Details

Collapse all

Summary

Screen Resolution	1280x1024
Processor	1 GHz
RAM	SDRAM DDR3
Number of USB 2.0 Ports	1

Other Technical Details

Brand Name	Beagleboard
Series	REV A5B
Item model number	BeagleBone Black
Hardware Platform	Linux
Operating System	Linux, other
Item Weight	5.3 ounces
Product Dimensions	3.4 x 2.1 x 0.8 inches
Item Dimensions L x W x H	3.4 x 2.15 x 0.8 inches
Color	Black
Processor Brand	ARM
Processor Count	720
Computer Memory Type	DDR3 SDRAM
Hard Drive Interface	USB 2.0, Ethernet 100Base-T
Power Source	DC
Voltage	5 volts

Additional Information

ASIN	B00CHYOLHK
Customer Reviews	112 customer reviews 4.5 out of 5 stars
Best Sellers Rank	#398 in Computers & Accessories > Computer Components > CPU Processors
Shipping Weight	1.6 ounces
Date First Available	April 23, 2013

Warranty & Support

Warranty, Labor: 90 day replacement part via Beagleboard.org/support/RMA, buyer pays shippingAmazon.com Return Policy: You may return any new computer purchased from Amazon.com that is "dead on arrival," arrives in damaged condition, or is still in unopened boxes, for a full refund within 30 days of purchase. Amazon.com reserves the right to test "dead on arrival" returns and impose a customer fee equal to 15 percent of the product sales price if the customer misrepresents the condition of the product. Any returned computer that is damaged through customer misuse, is missing parts, or is in unsellable condition due to customer tampering will result in the customer being charged a higher restocking fee based on the condition of the product. Amazon.com will not accept returns of any desktop or notebook computer more than 30 days after you receive the shipment. New, used, and refurbished products purchased from Marketplace vendors are subject to the returns policy of the individual vendor.

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Customer Reviews

112

4.5 out of 5 stars

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2 star		2%
1 star		4%

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Top Customer Reviews

Exactly what it advertises.

By Cristian A. Monterroza on May 5, 2013

Size: BeagleBone Rev B   **Verified Purchase**

This model does not come with a 5V power cable and I think that is the same for all distributors.

However, it does come with a USB cable to hook it up to your computer (the same for all distributors).

Once you use the installation instructions found on the BeagleBoard.org site, you will be up and running in no time. The BeagleBone Black (BBB) is an awesome little board.

I would suggest getting a Motorola Atrix Lapdock along with this purchase. For about $80, you get an external screen, keyboard and track-pad to use with your BBB. Make sure to acquire the appropriate wires (which are extra).

The one thing I would say is that this item needs Amazon Prime support as soon as possible.

1 Comment   44 people found this helpful. Was this review helpful to you? Yes No   Report abuse

Surprised, Much Better Then Expected

By Eric G. Johnfelt on May 16, 2013

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Published 4 days ago by Keith Haynes

Five Stars

Excellent platform for experimental projects.

Published 1 month ago by Gustavo Casanova

Great for Operating systems experiments.

Durable and light weight.

Published 2 months ago by Amazon Customer

Great board bought for not so great price

5 stars on quality - the BB is phenomenal, but -2 stars on price. I got stuck buying it at $99, but had to get it when I did, and it was hard to find.

Published 2 months ago by Jimmy R. Manone

Five Stars

The board is perfect. Everything ok with the seller.

Published 3 months ago by Daniel

A nice platform for embedded development

Size: BeagleBone Rev B   **Verified Purchase**

I have been thinking about buying a Linux based small form factor device for a while and looked at many different types, Raspberry Pi, Gumstix, Panda and the Beagleboard's, among others. I had leaned toward the Beagleboard's, but got caught up in the popularity of the "Pi". Although the Pi is a great "starter" unit, especially when packaged with a basic electronics kits for learning GPIO, I found the Pi a bit.... lacking. Finally, one day, frustrated with it, I decided to bite the bullet and buy an $85 Bone (heck, I had a $45 Amazon gift card, so why not). Unknown to me, the day before, Beagleboard released the "Black" for $45. So I got excited after looking at the specs and ordered one.

When I got it, I plugged it in, and after mucking about on the embedded webpages for not even 10 minutes... I was totally taken aback by the quality, engineering, thorough (and clean) design choices. I have read notes from several hard core Beaglebone developers and there are some things they have minor issues with, regarding GPIO (Which appeared to be a distro problem more then a Beaglebone problem), but for the most part even they couldn't fault the new design. It is clearly, a more mature product then the "Pi", which makes sense, Beagleboard has been at it longer.

There is one "CON" if you want to call it that. the "Black" has one USB A jack, whereas the "Pi" for example has two. That is, the Pi can handle "keyboard" and "mouse" whereas the "Black" can only handle one or the other, without a USB hub. This is a little inconvenient, but considering its other qualities... its barely worth mentioning.

1 Comment   45 people found this helpful. Was this review helpful to you?   Yes | No   Report abuse

Neat but Hard to Configure
By H. Bot on May 4, 2013

Size: BeagleBone Rev B   **Verified Purchase**

I was up and running on BeagleBone Black within 5 minutes of arrival to prove it worked. The instructions for simple tethered control are great and the preloaded JavaScript interface helps to try a few test controls. My hope is to use this as an alternative to my Raspberry Pi for a few tasks since power consumption seems lower and hardware interfacing is a bit more straightforward.

One note is that a lot of articles on this product state that it ships with power cords and other items. This only came with a USB cable. Many external reviews led me to believe I'd get a 5V wall wart with it.

Either way, it seems like a great product so far and I'm working on some proofs of concepts such as WiFi setup and Arduino control.

Update
The GPIO logic is great and I am anxious to use it once my initial setup is complete, but it's proven difficult to get the Linux side of BB up and running. Angstrom is very touchy and it didn't help that the pre-installed distro didn't work correctly (SSH was broken). I had to flash the device before I could do anything and that failed the first few times leaving me temporarily with a paperweight. Linux is up and running again but networking is unpredictable and I've spent a few days trying to configure wired and wireless access. I configured the same RA2800 chipset on Raspberry Pi in just a few minutes, so far BB is a disappointment and eating up my time. It would be better is Ubuntu were available.

My hope is to configure VNC, WiFi, and run it from a battery like I do my RPi. This will be the true test of whether it's a better option since my Pi setup works perfectly for this.

In the meantime, the serial connection just failed, so I'm back to the paperweight and need to flash it again. Read more ›

5 Comments   39 people found this helpful. Was this review helpful to you?   Yes | No   Report abuse

VERY good small computer
By Vincent on November 1, 2013

Size: BeagleBone Rev B

I'm the long time owner of multiple RPi (Raspberry Pi) and wanted to try this micro computer.
The BBB (Beaglebone Black) is definitively faster than the RPi (benchmarks says the CPU is 2 times more powerful, but the GPU is less powerful than the one in the RPi).
The overall cost is about the same than a RPi (additional $10 but it ships with a USB cable and embeds 2GB of eMMC -- you can also use a Micro SD card, but this is optional).

The embedded eMMC (2 GB) is faster, more reliable and consumes less than a SD card. 2 GB is actually more than enough, I'm only using 35% of it after having installed everything I need.
But if you prefer, you can also boot from the Micro SD card.
The BBB features way more GPIO ports than the RPi, but I'm not using them.
It also features 3 buttons that are actually great ("boot", to boot from the µSD, "reset" and "power", so you don't have to unplug/replug the BBB when you want to power it on back).
But it comes with only 1 USB port, no audio output and a micro HDMI (I don't know if audio can go through it).

The overall quality (PCB, etc.) seems WAY above the RPi.

The BBB is definitively less mainstream than the RPi (it ships with Angström linux, flashing the

Worked out of the box. I added a 3 amp wall wart for 5VDC power and a WiFi adapter, but it works great on the Ethernet cable into the WiFi router rather than WiFi. Read more
Published 4 months ago by EIEIO

endless possibilities!
this is an excellent little single-board computer (SBC); the ARM CPU has really come a long way and now provides a great hardware platform for experimenting and prototyping... Read more
Published 4 months ago by Willie

Beaglebone Black Rev C being used for industrial control project
Good so far on the BeagleBone Black Rev C. I'm using several for an industrial control project along with a 4D Systems 4DCape-70T touch-screen LCDs, a Real Time Clock board using... Read more
Published 4 months ago by LongTimeAmazonCustomer

The BBB Hits A Bullseye With The RevC
Just mounted the board in a GeauxRobot BeagleBone Black Clear Compact Case and fired it up. Literally a plug and play experience. Read more
Published 6 months ago by Stephen Mann

Five Stars
If you love DIY and e-Linux, this is the product, works really well.
Published 7 months ago by Amazon Customer

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eMMC is not as easy as "burning" a SD card (you need to burn a SD card, then put it in the BBB so it flashes the eMMC), and burning back the eMMC to the SD card (to be able to put the image into other devices) is WAY more complicated than for the RPi (you can burn a SD card that creates the eMMC image though -- [...]).

I recommend the following case: Beaglebone Black Slim Case Clear which is very compact and strong, leaves everything very accessible and is the cheapest on Amazon. Read more ›

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