RASPBERRY PI ZERO: THE $5 COMPUTER

898 Comments

Posted by Eben Upton
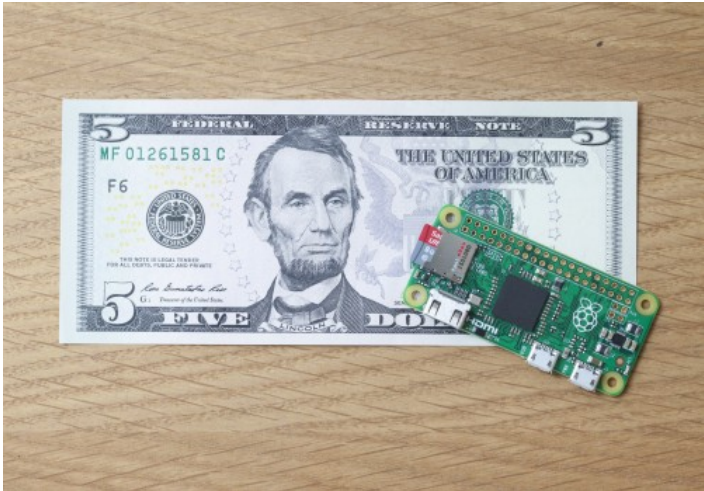*Raspberry Pi Founder*
Founder

26th Nov 2015 at 6:59 am

Of all the things we do at Raspberry Pi, driving down the cost of computer hardware remains one of the most important. Even in the developed world, a programmable computer is a luxury item for a lot of people, and every extra dollar that we ask someone to spend decreases the chance that they'll choose to get involved.

BLOG FEED

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VIMEO RASPBERRY PI FOUNDATION

Introducing PIZERO
from **Raspberry Pi Foundation**

02:44

RASPBERRY PI WEEKLY

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YOU MIGHT ALSO LIKE...

The original Raspberry Pi Model B and its successors put a programmable computer within reach of anyone with $20-35 to spend. Since 2012, millions of people have used a Raspberry Pi to get their first experience of programming, but we still meet people for whom cost remains a barrier to entry. At the start of this year, we began work on an even cheaper Raspberry Pi to help these people take the plunge.

RASPBERRY PI MODEL A+ ON SALE NOW AT $20

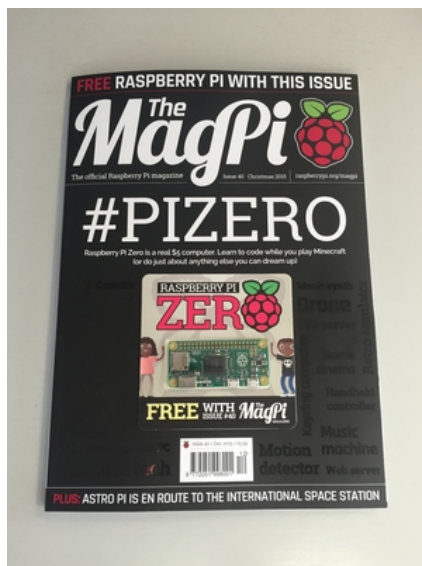**RASPBERRY PI 2 ON SALE NOW AT $35**

Four fathers!?!??

PRICE CUT! RASPBERRY PI MODEL B+ NOW ONLY $25

Raspberry Pi family, featuring:

- A Broadcom BCM2835 application processor
    - 1GHz ARM11 core (40% faster than Raspberry Pi 1)
- 512MB of LPDDR2 SDRAM
- A micro-SD card slot
- A mini-HDMI socket for 1080p60 video output
- Micro-USB sockets for data and power
- An unpopulated 40-pin GPIO header
    - Identical pinout to Model A+/B+/2B
- An unpopulated composite video header
- Our smallest ever form factor, at 65mm x 30mm x 5mm

Raspberry Pi Zero runs Raspbian and all your favourite applications, including Scratch, Minecraft and Sonic Pi. It is available today in the UK from our friends at The Pi Hut and Pimoroni, and in the US from Adafruit and in-store at your local branch of Micro Center. We've built several tens of thousands of units so far, and are building more, but we expect demand to outstrip supply for the next little while.

One more thing: because the only thing better than a $5 computer is a free computer, we are giving away a **free Raspberry Pi Zero** on the front of each copy of the December issue of The MagPi, which arrives in UK stores today. Russell, Rob and the team have been killing themselves putting this together, and we're very pleased with how it's turned out. The issue is jam-packed with everything you need to know about Zero, including a heap of project ideas, and an interview with Mike Stimson, who designed the board.

MagPi #40 in all its glory

If you're looking for cables to go with your free Zero, head over to the newly revamped Swag Store, where we're offering a bundle comprising a mini-HDMI and a micro-USB adapter for just £4, or alternatively subscribe and we'll send you them for free.

Happy hacking!

the magpi   raspberry pi zero   news   announcement

898 COMMENTS

The Raspberry Pi Guy says: 26th Nov 2015 at 7:02 am

Simply awesome news! I had a look at the brand new Raspberry Pi Zero in this video:
https://www.youtube.com/watch?v=NFFQmdUc5Vg&feature=youtu.be&a Watch for a
full tour!

Matt

Kelly says: 27th Nov 2015 at 2:01 pm

$5in England….

In North America, it's $30.. Gotta love that 400% markup on things.

Darrin says: 27th Nov 2015 at 2:17 pm

Itis $5 here in the US, not $30. The PI Model 2 is $30.

http://www.microcenter.com/product/457746/Raspberry_Pi_Zero

pi_fan says: 28th Nov 2015 at 7:47 pm

good luck finding one for $5 for just the board. newark wants $23, microcenter will only
sell you one for $5. adafruit's "budget pack" is $30 filled with parts any pi owner already
has.

i want a reseller to sell them for a reasonable price, $5 plus a nominal shipping fee (stuff
it in a bubble envelope and postage).

nice $5 computer in theory, but certainly not in practice.

not sure why their website stated the 2+ at $9 but when I checked my local microcenter i had the clerk run thru the price for buying multiples and whether he scanned 1,2, 3 or more at once each was only $5+local sales tax. reserving would only let you reserve one but in person in the store (the one i checked myself and others i heard about anecdotally) would let you buy multiples. So as far as I am concerned (before they sold out) the PiZero is definitely a $5 computer at microcenter at least

Scott Prive says: 3rd Dec 2015 at 3:57 pm

Come on… it's the FIRST batch and it's right before holiday time. When I got my first Raspberry Pi, it was in the first batch that sold out within HOURS and everyone else had to wait forever (and complain).

YES, they are $5. YES, they're sold out. YES, Adafruit isn't selling bare boards (yet, and might not ever if the markup is too slim). When stock re-appears you will get your $5 version. Just not in time to make PiPlay throwies/gifts this year…

Liz Upton says: 3rd Dec 2015 at 4:09 pm

Adafruit have been selling bare boards (another 64 went on their site and vanished within about ninety seconds – before I had time to tweet about it from the Raspberry Pi account – a couple of days ago) and will be again when they get stock; what you're seeing is that they've chosen to reserve some of their stock to bundle as well, and those bundles are not selling as quickly as the bare boards.

Jon says: 4th Dec 2015 at 6:15 am

pizero at Adafruit http://www.adafruit.com/products/2885
looks like it's 5.00 to me. There is also a 29 budget pack. But neither of these are in stock yet.

Andrea says: 4th Dec 2015 at 1:53 pm

I'm not sure why. I went yesterday to the local Microcenter here in St Louis Mo and I was able to purchase two for a total of $10.96. Then went to a local electronic store and purchased my HDMI and USB adapters for less then $ 8.

James says: 8th Dec 2015 at 4:31 pm

Kind of hard to take a complaint about localized pricing from an American seriously, basically everything else is priced in your favor.

Pete says: 22nd Dec 2015 at 3:25 pm

Maybe you should spend less time playing with your Raspberry and understand basic economics and the market Place. This is a $5 dollar computer, What microcenter chooses to bundle it with or The post office decides to charge for shipping is out of the hands of Raspberry. If you truly want it for $5, then go to Wales and buy one. Other then that, live with the rest of the world that understands the cost of doing business (i.e. Margins, fuel, shipping, warehouses, labor, etc….). THANNK YOU RASPBERRY for making a very affordable computer for the next generation of kids to learn on. Granted some of them need to go back to school :)

adam says: 1st Jan 2016 at 7:14 pm

It's just supply&demand at this point – with the very limited release there is more demand, so people will pay more. It will drop to the advertised $5 eventually, once the supply recovers.

Very helpful!

sergei glimis says: 15th May 2016 at 1:27 pm

i cant get my hands on one of these things there suppose to be so damn cheep i want to build robots with them because there pretty much as cheap as the arduous now 5.00 (from china arduous)
i need help get me one.

Ted says: 28th Nov 2015 at 8:31 pm

Micro Center is in store pickup only. The nearest one to me is 98 miles away and they are sold out…

Paul says: 22nd Feb 2016 at 1:01 am

The nearest one to me is one miles away…

Paul says: 22nd Feb 2016 at 1:05 am

The nearest one to me is one miles away… so…

Michael says: 8th Apr 2016 at 8:08 am

Nokidding.

Andy says: 1st Dec 2015 at 9:33 pm

Atmicrocenter.com/product/457746/Raspberry_Pi_Zero
-> 0 in Stock !

Jonathan L Clark says: 22nd Mar 2016 at 5:37 pm

-The Raspberri Pi Zero is only $5.00 if you buy it at the Micro Center store, but you have to be near a store to do it as they don't sell it online.

-If you buy it from Adafruit the shipping is $10, so now your Pi Zero is $15.00; three times the price it is supposed to be.

-The pi hut and pimoroni.com never have it in stock, unless you buy a kit (which is more than $5.00).

Ultimately I think the Pi Zero is a failure, there is a lot of hype about it but unless you live in a few very specific places in the US, you are never going to get it for $5.00.

I give raspberry pi an A for effort, but the Pi Zero has FAILED to deliver a cheap, small embedded computer system to the world. I am sorry but you guys did not meet your objective in this project. Unless you can produce a LOT more of these, most people will never be able to get one without paying more than $5, and at that point I would just buy a different embedded computer system, a different Raspberri pi or one of the TI boards, that $5 is the key feature of the zero pi but it is a theoretical-only feature.

Sleepwalker3 says: 25th May 2016 at 6:24 am

Are you serious? I hear some pretty stupid FWP's (First World Problems) from people, but I think this has got to go up in the FWP Hall of fame.

Nonmouse says: 27th Nov 2015 at 2:24 pm

BLOG   DOWNLOADS   COMMUNITY   HELP   FORUMS   EDUCATION

Richard says: 27th Nov 2015 at 4:51 pm

Not true, Micro Center has it for $5

Igor says: 28th Nov 2015 at 2:26 am

Like any good "dealer" ;-) MicroCenter is selling the FIRST one for $5. Two or more are
$10 each. But they're out of stock anyway, so the point is kind of moot…

Al says: 29th Nov 2015 at 7:38 pm

You just need to give it a little time. There isn't enough of a supply right now so prices
are pushed up.

mk says: 27th Nov 2015 at 8:21 pm

@Kelly

No love for people who don't bother to read what they are responding to.

Mark says: 27th Nov 2015 at 9:24 pm

Give 'im a break… not like he'd ever be able to use one anyways. He's just here to read
some news and troll.

Jaack says: 28th Nov 2015 at 9:51 pm

Rethinking my project;
I'll buy Rasp Pi model B+ for much much less than a Pi Zero. I wanted to do a diversity
receiver project using ADS-B dongles running ethernet cable(powered) connected to
what was supposed to be $5 computers. ADS-B Dongle, computer and antenna would
be put on roof with only ethernet cable coming down to server that would act as a
diversity radio receiver. US authorized outlet Micro Center has limit of 1 per customer,
AND only in store sale, no web sales, no mail sales!
Worst of human greed shown by so many Pi Zero sellers.

James says: 29th Nov 2015 at 6:20 am

You mean 600% markup? Wow. Not only did you look up the price for the wrong board,
but you also can't do basic math… Let's hope you keep the calculator installed in
Raspbian. :)

Mark du Preez says: 4th Dec 2015 at 4:23 am

Actually James, it's a 500% markup. The claimed price is 600% of the advertised price,
which makes the markup 500%. 100% markup is double the price, 200% markup is three
times the price… 500% markup is six times the price. Get it?

Raspberry Pi Fan says: 29th Nov 2015 at 8:42 pm

It's $20 here in Australia

c min says: 2nd Dec 2015 at 9:00 am

hithere im in Australia where can i get one and which is the best?

It's actually $5 in the US, too

Cat Meow Meow says: 5th Dec 2015 at 3:27 am

30/ 5 = 6

6 = 600%

Go to 5th grade!

ProfessorK says: 6th Dec 2015 at 5:48 pm

He's right.
You're wrong.

The magic word is "markup". Look it up.

Mikey says: 23rd Dec 2015 at 11:02 am

@Cat Meow Meow, at 0% markup it would be $5.00 at a 100% it would be $10.00, ect., ect. It is simple math and word recognition any 5th grader could do, at least in the 70's.

George says: 16th Feb 2016 at 10:19 pm

You mean it's $5 in America and about £2/3 in England

Jj says: 3rd May 2016 at 1:21 am

that would be a 600% markup

Anthony says: 7th May 2016 at 4:58 pm

Itis a shame this needs to be done

$5 0% Markup
$10 100% Markup
$15 200% Markup
$20 300% Markup
$25 400% Markup
$30 500% Markup
$35 600% Markup
$40 700% Markup

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james says: 6th May 2016 at 9:35 am

I cant stand it

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faheem ahmed says: 28th Nov 2015 at 6:16 pm

I wish I could buy one! can anyone donate it to me I cant afford and its not available in my area.please

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mark says: 4th Dec 2015 at 11:21 pm

Why? Silly design. Why was a wifi chip not added to board? Who would ever use this without a wifi dongle? too much clutter with cables and adapters. i have some powered iot projects where this would have been an alternative to an arduino esp8266 board. what a shame…

There may be some situations (e.g. an embedded project) that doesn't need internet connectivity, but does require a GUI and extra processing power. Of for another example one used by schools for training Python programming or using as a word processor but without having to buy PCs for the purpose. Better still, giving a Zero to each student for working on and storing their projects. I can see your point though, what with the cost of WiFi chips being negligible, it would only add a few dollars to the price. I guess the idea was to make it below the magic $5 value.

LilBilly says: 8th Jan 2016 at 7:35 pm

LOL, I'm working on a project right now where we are deploying lots of Pi's in our customers environment. ALL connected by POE. WiFi has lots of problems; unsecure, jammable, and the huge issue of everyone and everything trying to use it.

That being said I really do wish that the OS (raspbian or any of the others) would have more robust network development. Every damn time i sit down to play with it I'm always having to configure something related to network connectivity, LAN and or WAN. Yes, in many cases my issues would be solved by using their dongle but I dont want to to be vendor locked like that.

John says: 10th Feb 2016 at 11:57 pm

I have done dozens of projects, most of which did not use wifi. You will not find another 5 dollar board that can do what this one can do. Just be appreciate what it is and what it can do for the price.

Rosie says: 8th Feb 2016 at 5:22 pm

These are an amazing idea! I am a teacher and do not have computers in my classroom, such a shame in this day and age. Although I do have iPads, these would be a great addition for my students. Unfortunately, they are all sold out everywhere! Will keep checking. Thank you for the innovation!

dobra-dobra says: 26th Nov 2015 at 7:06 am

And once again you are amazing. Great job!

Winkleink says: 26th Nov 2015 at 7:07 am

Holy smoking madness.
Not 1st April. Check

This is amazing

EverPi says: 26th Nov 2015 at 7:07 am

OMG OMG OMG! Awesome!!!

Andy says: 26th Nov 2015 at 7:11 am

Raspberry Pi new products are SO good they make me think it's an April fool. Too good to be true. Well done The Foundation! I will be putting in an order for several – are they going to be available in China through EGOMAN in due course?

Liz Upton says: 26th Nov 2015 at 7:16 am

We're expecting element14 to make them available in China, but not immediately.

Element14 is selling Pi Zero for INR 1123 in India. It's more than $15 USD. This is outrageous :(

Pi 2 sells for about $45 (INR 3050)!!

Ashwin says: 27th Nov 2015 at 2:25 pm

Due to the current Rupee/Dollar conversion it is the correct price. Please calculate the price after taxes and see they are actually selling it a lil lower. Kudos Element14.

Rajneesh says: 30th Nov 2015 at 4:21 am

current price $5.
USD value let's day Rs 68
so cost is Rs 340 only. Difference 1123 – 340 = Rs 783 Don;t think shipping + taxes will be twice the actual cost.

Alok says: 30th Nov 2015 at 6:24 am

Please check your calculations: 1123 INR = 16.804 USD as of now. Element14 gets zero kudos

amin seraj says: 26th Nov 2015 at 7:12 am

congratulation .
this is very nice.

Nathan says: 26th Nov 2015 at 7:12 am

Another incredible piece of hardware at a breathtaking price.

Amazing!

Stewart Watkiss says: 26th Nov 2015 at 7:13 am

Amazing – not only a $5 computer, but you can get it for free with a magazine. I keep pinching myself to make sure I've actually woken up this morning.

It's not even 1st April!

bogdan says: 26th Nov 2015 at 7:57 am

too bad, it's not free for MagPi online subscriptions also :)

Liz Upton says: 26th Nov 2015 at 8:02 am

Itis. If you've got a MagPi coming in the post, it'll have a Zero on the front. (And if you subscribe today, you can opt to get this month's issue.)

Misc says: 26th Nov 2015 at 1:45 pm

That's what he's saying, it's not free for readers who have subscribed to the digital edition

Daniel Andrews says: 26th Nov 2015 at 1:56 pm

What about those who subscribe via the Android app? Will we be able to claim one?

Liz Upton says: 26th Nov 2015 at 2:05 pm

Afraid it's physical copy only.

Scollay Petry says: 27th Nov 2015 at 12:49 am

Come on peoples…it's $5.00! I'd be happy to pay $10.00 and donate one to a kid.

Simon Birrell says: 26th Nov 2015 at 7:13 am

Amazing! They keep surprising us.

Guillermo Amaral says: 26th Nov 2015 at 7:14 am

element14 not sell it in the US? I'm unable to purchase anything from Adafruit due to
them blacklisting shipping addresses.

Supra says: 26th Nov 2015 at 12:40 pm

Yeah! Pi-hut is selling black-listing on ebay.
But no available in US/CANADA

Michael Harpe says: 26th Nov 2015 at 1:59 pm

Newwark/Element14 has them listed on their site for $23.17. What's up with that?

Michael Meissner says: 26th Nov 2015 at 2:49 pm

Inthe USA, Adafruit.com and Microcenter.com are carrying the Pi zero. My local
Microcenter (Boston/Cambridge) claims to have at least 10 in stock.

Adafruit is also selling the Zero in budget/starter packs, and has a protector case.

Since today (November 26) is a USA holiday (Thanksgiving) there might be a delay
before other USA distributors come on line.

Liz Upton says: 26th Nov 2015 at 2:53 pm

The MagPi arrives in the US three weeks after the UK publication date – you'll be able to
pick up copies with the free Pi Zero on the front in Barnes & Noble and in Microcenter.

Mike S. says: 26th Nov 2015 at 3:29 pm

I checked MULTIPLE locations in London today and they didn't have issue #40 anywhere.
It wasn't sold out, it just never got there in the first place. Why is that?

Kevin Davies says: 26th Nov 2015 at 9:22 pm

Liz, have they found an Australia publisher for the MagPi? I can tell you they would sell a
thousand or more here easily.

John Wal says: 27th Nov 2015 at 12:39 am

Does the MagPi is available in France?

Does it decode video on the hardware level?

Anonymous says: 26th Nov 2015 at 7:33 am

It's the same BCM2835 as in the first RPi models, so yes, it'll decode video in hardware.

Jim Manley says: 26th Nov 2015 at 7:15 am

WHEEEEE!!! LET THE HACKING BEGIN!!! FINALLY, A WAY TO MAKE A REAL PI TABLET AND ULTRA-THIN LAP-PI WITHOUT NASTY CE/FCC EMI CERTIFICATION!!!

DID HE SAY FIVE DOLLARS? AS IN CINCO SAMOLIANS?? AS IN A PENTABUCK???

YES, YES HE DID!!!

I'M GOING TO ORDER A HUNDRED OF THESE JUST SO THAT OUR JAMMERS CAN HAVE SOME AT A SPECIAL JAM!

CAN'T WAIT TO SEE THESE ON BALLOONS AND ROCKETS GALORE – Not sure how the camera modules will be integrated as there is no CSI nor DSI ports, but the Adafruit Kippah provides a way to get 1080p60 native to an LCD panel via almost all of the GPIO pins. Perhaps something similar can be done for the camera modules.

STUFF YOUR STOCKINGS, STUFF YOUR WALLETS, STUFF YOUR STUFFING WITH PI ZEROES!!!

I'M GOING TO MAKE A CASE FOR THESE BEING SO CHEAP, THEY'RE CONSUMABLES, NOT IT-TRACKABLE COMPUTERS! YOU SHOULD, TOO! GIVE THEM TO YOUR DESERVING STUDENTS! GIVE THEM TO YOUR DESERVING KIDS!! GIVE THE TO YOUR DESERVING IN-LAWS' KIDS!!!

THANK YOU, RASPBERRY PI FOUNDATION, MAGPI, AND PARTNERS!!!

Kalle says: 26th Nov 2015 at 9:00 am

YES! Let's Pi everything!

TheMell says: 26th Nov 2015 at 12:08 pm

http://assets.nydailynews.com/polopoly_fs/1.1038288!/img/httpImage/image.jpg_gen/ derivatives/gallery_1200/bill-gates.jpg

;)

Dave Akerman says: 27th Nov 2015 at 10:06 am

Yes, it'll be on a balloon soon!

Shame about the lack of camera interface, but a USB webcam should work.

Henry says: 26th Nov 2015 at 7:15 am

I would assume that Windows IOT will still work here ?

Ben Nuttall says: 26th Nov 2015 at 7:18 am

No– Windows 10 IoT only supports Raspberry Pi 2. Pi Zero contains the Raspberry Pi 1 chip.

veritanuda says: 26th Nov 2015 at 11:08 am

> I would assume that Windows IOT will still work here ?

mlotfy says: 26th Nov 2015 at 5:48 pm

Noit wont, Windows 10 IoT requires ARMv7 at least, this chip is BCM2835 ARM11 which is identical to RaspberryPi 1.

Nico says: 26th Nov 2015 at 7:16 am

Will RS also stock it?

Liz Upton says: 26th Nov 2015 at 7:23 am

Not initially, but we hope they will be doing later.

B Alan Eisen says: 7th May 2016 at 11:34 pm

I wanted a Zero. Truck it, now. I will shoehorn a Pi 2 (or 3) B+ into my project.

Tom Kirby-Green says: 26th Nov 2015 at 7:19 am

Congrats chaps, computing just moved much closer to being 'material'. Kudos to all involved!

Steve Richards says: 26th Nov 2015 at 7:19 am

I thought it was pretty cool that I could lend out our 120 or so pis from our old CS network to every year 9 who picks GCSE Computer Science on long term loan but with this we can give every child in the school a computer !
Thats just 0 degrees K cool!

Dutch_Master says: 26th Nov 2015 at 2:57 pm

Kelvin doesn't come in degrees ;-) It's 0 (as in: zero) K, nothing more.

/pedantic mode off ;-P

Jim Manley says: 26th Nov 2015 at 3:23 pm

Ummm, yes Kelvin does come in degrees. 273.15° K is 0° Celsius, or 491.67° Rankine, or 32° Fahrenheit. See, we can learn STEM right here in the blog by using a Pi to look that sort of thing up! :D

woytaz says: 26th Nov 2015 at 4:21 pm

Nope. It's zero kelvin, not zero degrees kelvin (0 K, not 0 °K). Feel free to check the wikipedia article on it.

Bethany Corcoran says: 26th Nov 2015 at 4:52 pm

Nay – Celsius and Fahrenheit are both written and said as degrees, but Kelvin is just Kelvin. 273.15 K, three-hundred Kelvin, etc.

More info: https://en.wikipedia.org/wiki/Kelvin

Fernando Lichtschein says: 26th Nov 2015 at 6:01 pm

p1000400.jpg#/media/File:MuseeMarine compas p1000400.jpg

Also known as William Thompson.

Alan(UK) says: 26th Nov 2015 at 8:52 pm

The SI unit of temperature is the kelvin. It is used in the same way as most other SI units: it is the name of an actual person (Lord Kelvin) so the unit is written with a lower case initial letter (kelvin) while its symbol is upper case (K with a space between the number and the unit) and its plural is kelvins.

UoM says: 27th Nov 2015 at 3:43 pm

Toconvert Kelvin to Celcius or Fahrenheit and vice versa, you may run JSR 363 (Units of Measurement API) on every Raspberry Pi, including the Zero ;-)

UoM says: 27th Nov 2015 at 3:47 pm

Sorry, it was of course Celsius;-)

More on https://github.com/unitsofmeasurement

Paul Webster says: 26th Nov 2015 at 7:20 am

What a great surprise. Now to find something I can hide one in.

Jim Manley says: 26th Nov 2015 at 7:22 am

Uh-ohhhh – Newark is saying no stock until December 14th and the unit price will be $23.17 – WHAAAA??? 500+ will be $16.72 HIGHWAY ROBBERY, I SAY! Version with NOOBS card also not in stock and $5.00 more in unit quantities.

MCM and Allied don't list it yet.

Ohhhh, Foundaaaaationnnnn – "Houston we have a problem … " :(

Michelle says: 26th Nov 2015 at 7:27 am

Well done and thank you to Raspberry Pi team got one on the way from our local online shop

https://jiffyshop.com.au/SBC/raspberry-pi/102-raspberry-pi-zero.html

Luke says: 26th Nov 2015 at 11:14 am

At$22 that's almost 4 times the amount that it's supposed to cost.

dean says: 26th Nov 2015 at 8:41 pm

Don't forget, that's $22 AU, that's $15.95 USD, or 10.58 quid

so, it's only just under 3 times the cost!

Add to that, the $10 shipping,

Element 14 comes to around $40 AUD for the Pi2, order over $45 and free shipping.

So, zero Pi is around 1/2 the price of Pi 2, and about the same as an A+

Summary – Auzzies always pay a premium, especially so for 'local stock' and stuff that's freshly released.
wait a few months and it'll come dowm in price

Yeah, just over 3 times at the current exchange rate ($6.90), assuming you can find someone in the US to sell it to you for $5 (with stock).

I ended up paying AUD$15.80 including shipping from PiHut in the UK.

So lets call it roughly double that price when you include the additional shipping from the referenced JiffyShop or Pi Australia makes it roughly $30 to buy in Australia.

Jonathan Pallant says: 26th Nov 2015 at 7:27 am

Astonishing. This is cheaper than most Arduino Micro clones. Hell, you're selling this for less than most people charge for postage on an Arduino clone! You really have excelled yourselves. And Made In Britain.

How long until support is added to the Arduino IDE I wonder. The processing it could perform…

Superb stuff guys. See you on Saturday?

Michael Lush says: 26th Nov 2015 at 7:31 am

Gobsmacked! Just when I thought your were working on the Pi 3 with a dull bit more of this and slightly interesting bit more of that and you come up with this! Wow.

Its a obvious candidate for battery powered projects (1) how much power does it use?

(1) Where the computer costs less than the power supply!

The Raspberry Pi Guy says: 26th Nov 2015 at 7:58 am

Around the 160mA mark (0.5/0.7W!). More information here:
https://www.youtube.com/watch?v=NFFQmdUc5Vg

edwinj85 says: 27th Nov 2015 at 12:00 pm

Really? That's MUCH less than the original model B right?

Wowzer. Such low power usage may unlock so many different possibilities. For £4 a pop I can replace both my media player and home server Pis and make the money back on my power bill in a year or three, basically making it a "free" upgrade!

Fredrik says: 26th Nov 2015 at 7:39 am

Amazing job!!!!! 5+ for this for sure.
Guess I will try to buy a few :)

Ben says: 26th Nov 2015 at 7:39 am

What's the power consumption like? I'm guessing it's worse than the A+? (or are you actual wizards)

The Raspberry Pi Guy says: 26th Nov 2015 at 8:49 am

Quoted to be around the 160mA mark: https://www.youtube.com/watch?v=NFFQmdUc5Vg

Robert M says: 26th Nov 2015 at 7:42 am

Dang… I turn my back for a second and look what you get up to…

Well done!

...the price of lunch out you're back in business.

Very impressive!

Leo White says: 26th Nov 2015 at 7:43 am

I stopped off at my local Tesco's this morning to pick up a copy of the MagPi… My guess of a cardboard, pop-out build your own case was well off (Although still a good idea for a future issue :))

Looks like they had twice as many copies out on the shelf than they normally do, so I picked up one… and then another..

I'm tempted to replace the A+ on my PiWars robot with this, but I did just add a camera last night.. So maybe for next year! So many choices!

Now my only problem is I don't think I have any Micro-SD cards at the office…. So can't have a proper play until tonight.

Well done to you all! especially at keeping it secret!

Simeon says: 26th Nov 2015 at 8:24 am

How much does the Mag Pi 40 go for?

Liz Upton says: 26th Nov 2015 at 8:25 am

£5.99

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arek says: 26th Nov 2015 at 7:43 am

Nostock or limits 1 unit per order :-(

RaspberryStore says: 26th Nov 2015 at 7:45 am

Wow!! Awesome news! Cannot wait until I get one!

Steve Richards says: 26th Nov 2015 at 7:47 am

Great timing too.
You are just about convergent with the big BBC microbit giveaway to all year 7s.
Working at 3 v logic and with a host of on board sensors it will be GPIO directly plug-in-able to this new pi. That is also really rather good.

Brian Williams says: 26th Nov 2015 at 3:06 pm

Better than convergent with the Microbit, it's stolen the march by several months!

I was amused to see the dear old BBC Micro in the video. I'm sure it wasn't meant to rub it in… :)

I'm sure the original BBC Computer Literacy team would have involved the Pi Foundation. What hubris!

Don says: 26th Nov 2015 at 7:47 am

Which part of pumping out a loss leader device that is likely to be picked up mostly by middle aged geeks helps to teach kids to code? I doubt plans for this product existed before the $9 CHIP threatened to take the crown as a hacker's best friend.

The C.H.I.P. doesn't even come close to an A+, let alone the Pi Zero, after you add the OPTIONAL VGA or HDMI add-on interface, it has an inferior GPU, and unless you plunked down $150 + shipping for an alpha (well, two alphas now, plus five regular C.H.I.P.s later), you're not going to see it until May 2016 … maybe. The C.H.I.P. does have on-board WiFi and Bluetooth, which would have been nice on a Pi by now, but trade-offs have to be made.

James Hughes says: 26th Nov 2015 at 8:39 am

Well done Don. How you managed to find such negativity in this launch is very impressive. Plans change as markets change, welcome to the world. ANd what makes you think this is a loss leader? More to the point, why would the Pi people feel the need to have a loss leader? They have already sold 7M Pi's. It's not like they need to lose money.

Noel says: 26th Nov 2015 at 9:27 am

Wow, I was having tea reading this amazing news with all the amazing comments, one or two from teachers, thinking to myself "wow, you could give every kid in the country a Pi and start a new generation of coders" and you come alone with a very negative comment.

This isn't a supermarket, there is no need for this to be a loss leader, its just a group doing an amazing job of offering a product they believe in to those who otherwise couldnt afford it. And yes middle aged geeks play a part but for every middle aged geek there is a child learning what goes on behind the wizard's GUI curtain for less than the cost of a Happy Meal.

Congrats Guys on the amazing product.

Brian Williams says: 26th Nov 2015 at 2:59 pm

What is a CHIP? I guess that question says it all…

Marzogh says: 26th Nov 2015 at 7:48 am

Any idea if they'll be available for a reasonable price from elemnt14 in Australia? They're comparatively far too expensive at the moment… :(

Alan Mc says: 26th Nov 2015 at 7:49 am

Speechless…..

Gilbert Laurel says: 26th Nov 2015 at 7:50 am Hi
,

Wow, finally this is what we are waiting for, I remember sending you guys a letter "wishing" if you can make us a Raspberry Pi A- "A minus"

:) this is it, we already ordered 300 Raspberry Pi A+ from Element14 for our project, I'll switch to Raspberry Pi Zero on our next order.

Thank you, more power to all and congratulations.

RPi user from the Philippines :)

Remco Hosman says: 26th Nov 2015 at 7:51 am

I wish USB would be also available on pins instead of a connector. would make it a lot easier to truely embed.

You can always desolder it yourself!

Remco Hosman says: 26th Nov 2015 at 8:04 am

the point would be that you can mount the Pi with a single connector for power, data and everything onto another board

Gavin Higham says: 26th Nov 2015 at 8:44 am

Isn't that the point of the Raspberry Pi Compute Module?

Dave says: 26th Nov 2015 at 9:35 am

I agree with OP. Having true power (vie fuse) and USB on a header would take this from a 10 out of 10 to a 100 out of 10.

Desoldering and soldering on to those micro USB pads isn't viable beyond 1 or 2 boards.

Great product all the same!!!

Remco Hosman says: 27th Nov 2015 at 10:59 am

Correct, but the compute module is 'expensive' compared to the Zero, by far not as common and SO-dimm connectors are fine-pitched.

mahjongg says: 26th Nov 2015 at 1:33 pm

Its a bit soon to say definitely but AFAIK there will be test-pads on the bottom you can use to get at the D+ and D- USB signals, so you do not have to unsolder the micro-USB connector. Same probably goes for +5V (before the fuse) and GND. It will be quite easy to solder wires to these test-pads.

Marco Barrios says: 26th Nov 2015 at 10:54 pm

Couldn't agree more! But very interesting product never the less.

Alan Mc says: 26th Nov 2015 at 7:53 am

Merry Christmas !

Sonia Uppal says: 26th Nov 2015 at 7:56 am

Wow, simply amazing!
At this price point, for every $100 I can build five or even more education kits for teaching programming.
A thanksgiving treat!!
Sonia

Dmitri says: 26th Nov 2015 at 7:56 am

And what about network?

Leo White says: 26th Nov 2015 at 8:02 am

I didn't even notice it was missing :D

To used to playing with the Model A(+) I guess, which also doesn't have a network port.

U don't needed network. U simply build robot, car, etc

Greg Jameson says: 27th Nov 2015 at 1:51 am

Network is required, this isn't the 1980s.

Matija says: 28th Nov 2015 at 2:59 pm

It's not 2000 either. Just plug in USB wifi of your choice (for $1.95 on ebay or whatever)
if your project needs it. Not *all* general purpose computer are used for casual users
surfing the net…

Tobias K says: 26th Nov 2015 at 5:58 pm

This would be ideal to use in conjunction with IOT except for thelack of networking. Is
any sort of add-on board possible/available/planned?

Tobias K says: 26th Nov 2015 at 10:43 pm

Added note: As others point out, a USB-based network option is possible for $10-$15 but
because there are only 2 USB ports on-board — and you need one for a mouse, one for a
keyboard — that also requires the extra cost of a USB hub, so another $5-$10 (or a USB
hub/Ethernet expansion combo for around $20 or so). Bottom line: around $15 – $25 to
get networking. For that total cost, you're within $5-15 of what the Pi2 costs.

Greg Jameson says: 27th Nov 2015 at 1:54 am

Consider a server configuration in which you can just ssh into the pi IFF you have
networking going. So you don't need the mouse/keyboard, bringing the adjusted price to
$15-$20.

James Hughes says: 27th Nov 2015 at 11:04 am

Ifyou want a Pi with networking, buy a B2!!!! Putting it on the Zero would increase the
price a lot.

James says: 29th Nov 2015 at 2:21 am

There are keyboards that have external USB ports for a mouse. So, you plug in the
keyboard and plug the mouse into the keyboard and only use one USB port. The SIIG
premium aluminum keyboard with USB hub.

geoff says: 27th Nov 2015 at 3:20 am

Even if you don't have an ethernet port, what would be great is if it were possible to
provide a jumper where an ethernet port can be connected. That might satisfy the low-
cost applications that don't need ethernet but at the same time satisfy the users who
need ethernet.

mahjongg says: 27th Nov 2015 at 12:26 pm

That jumper exists, its the GPIO Header, probably very low cost Ethernet, WiFi and
Bluetooth adapter PCB's for the GPIO will appear very soon, low cost meaning
something like $4.

hmmmm element14 saying $19.95

Liz Upton says: 26th Nov 2015 at 8:01 am

Link please! We'll get that sorted. That makes sense if they're selling it with a kit, but the bare board should be USD $5.

arek says: 26th Nov 2015 at 8:14 am

Here 68.27PLN (no tax, no shipping in that) which is about 16$

http://pl.farnell.com/raspberry-pi/raspberrypi-zero/sbc-zero/dp/2508221?
ost=2508221&selectedCategoryId=&ICID=cyber-week-BPIN

While KIT version costs 87.24PLN which is about 21$

http://pl.farnell.com/raspberry-pi/raspberrypi-zero-noobs/kit-zero-noobs/dp/2508222?
searchRef=SearchLookAhead&selectedCategoryId=

Piotr says: 26th Nov 2015 at 9:29 am

Itseems like promoting USA market. Produced in EU.
"RASPBERRY PI FOUNDATION UK REGISTERED CHARITY 1129409" Thank you.

Markus Stehr says: 26th Nov 2015 at 8:14 am

Please see:
http://i.imgur.com/o5l9fE0.png

12.80€

Marzogh says: 26th Nov 2015 at 9:40 am

Element14 Australia is selling it for $19.38 :(

http://au.element14.com/raspberry-pi/raspberrypi-zero/sbc-zero/dp/2508221

Aleksandr Motsjonov says: 26th Nov 2015 at 10:35 am

Yeah, Australia is $20 basically =((
https://www.adafruit.com/products/2885

Dean Boulding says: 26th Nov 2015 at 1:56 pm

Element14 at $30, MCM at $15. Link:
http://www.element14.com/community/docs/DOC-79263?ICID=hp-pizero-ban (You will
need to click on the "Buy Now" button.)

Stephen says: 27th Nov 2015 at 1:12 am

Element14 in Australia doesn't appear to be selling the bare bones board, only the kit

Denis Moreaux says: 26th Nov 2015 at 8:01 am

Downside : it has video composite but I don't see sound output… So, basically, if we
want sound, we have to stick to HDMI.

The lack of network interface is also a little sad… onboard Wifi would only be 1-2$ more
and could fill the gap…

Maybe good addition for the zero V2

mahjongg says: 26th Nov 2015 at 12:19 pm

NO! You can have analog sound with just a few resistors and capacitors, and a small
software change to redirect the Audio PWM driver to the PWM output on the GPIO
header.

Brad says: 27th Nov 2015 at 3:30 am

Can you provide some more information on how to do that?

mahjongg says: 27th Nov 2015 at 12:31 pm

The forum has a discussion about it, mainly it just means you reconfigure the extra GPIO
functions so PWM goes to the GPIO pins, instead of to the audio converter of the older
PI's. No extra software driver is needed.
Stereo is possible!

David says: 26th Nov 2015 at 12:21 pm

i2s works great on the old model A as well as new, just use gpio and compatible
soundcard

Erland Lewin says: 26th Nov 2015 at 1:06 pm

You can always use a USB audio DAC. But that might cost more than the Pi Zero. On the
other hand, the onboard audio signal from the other Pi models is quite poor, so for many
applications you'll want an external DAC anyway.

Which will require a USB hub, if you want network at the same time as audio. Finding a
good USB hub to match the Zero to will be important, I think, with only one usable USB
port.

Liz Upton says: 26th Nov 2015 at 1:32 pm

This DAC is landing shortly: https://shop.pimoroni.com/products/phat-dac

Arunkumar says: 26th Nov 2015 at 8:01 am

Amazing job! Could you guys give me an idea of when and how it will reach India? It'd be
really helpful.

fdufnews says: 26th Nov 2015 at 8:02 am

What a pity!! I was in UK yesterday for work. Too bad that my journey has not been
shifted by one day.

Alexandro Todeschini says: 26th Nov 2015 at 8:05 am

Multicore is an ABSOLUTE !! no way single core

LT says: 26th Nov 2015 at 9:25 am

Multicore has never been mandatory for multitasking, so why it must be an absolute ?

Sam Colak says: 26th Nov 2015 at 8:06 am

brylleorito says: 26th Nov 2015 at 8:06 am

Will this be available in the Philippines?

Markus Stehr says: 26th Nov 2015 at 8:10 am

Umm, E14 is asking 12.80€, a bit off from 5$… :3

Alexandru Vasilescu says: 26th Nov 2015 at 8:14 am

Nice, BUT…no wired network?! Kinda holds it back, don't you think?

James Hughes says: 26th Nov 2015 at 8:35 am

Did you miss the bit about it being $5. There are limits to what you can actually build for $5, and just an ethernet connector would push the price up by a large percentage.

If you want ethernet, buy a B.

David says: 26th Nov 2015 at 10:57 am

How much would it cost to add a jumper-style pinout for Ethernet, without a full-blown RJ45 socket??

Gordon Hollingworth says: 26th Nov 2015 at 11:04 am

Add $20 and buy a Pi

mahjongg says: 26th Nov 2015 at 12:16 pm

NO! Not just jumpers, you would ALSO need the LAN9512 chip and the Ethernet transformer, for Ethernet, which would double the price of the PI-zero.

If you need Ethernet add a $5 WiFi dongle, or an USB Ethernet adapter.

Bananeiro foo says: 26th Nov 2015 at 6:07 pm

I would prefer to spend $10 on a Pi Zero that had ethernet built-in instead of having to use a dongle.

mahjongg says: 26th Nov 2015 at 6:42 pm

Probably very soon someone will launch a small PCB with a Microchip SPI ethernet IC on it mounted on (part of) the GPIO pin's which will add Ethernet for just a few dollars, its not rocket science.

7up says: 26th Nov 2015 at 1:57 pm

Also, USB-Ethernet-Adapters should work, shouldn't they? So you could also use a wifi-stick or whatever… Also a RJ-45-Jack would look ridiculous on the small board. :-D

Alain Geenrits says: 26th Nov 2015 at 8:15 am

Super ! But how can I get this issue with RaspberryPi zero in Belgium ??

Yet again the UK market will support the product, it is $5 for the US market which equates to £3.31 on today's exchange rate on EX. But what a surprise I went to element 14 site and the cost of the PI ZERO for the UK market is £11.88 and the Pi Hut is £16.00.

So if the PI is $5 Element 14's price pays for three and the PI hut is close on the price for 5. It is fantastic saying you have a $5 PI so why are you not selling it for $5 or £5 that would be something.

Awesome even though the pricing is a bit confusing.

Liz Upton says: 26th Nov 2015 at 8:22 am

Right folks: from what I can make out, e14 are advertising the Zero WITH A CABLE BUNDLE on their front pages. The Zero on its own IS available for $5, but you'll have to dig around their site a bit to find it.

Rich Steed says: 26th Nov 2015 at 9:31 am

Could you post the board only link – been searching on e14 and can only find the bundles

Stephen says: 27th Nov 2015 at 4:00 am

Ditto! can't find link to board only

Michael Horne says: 26th Nov 2015 at 8:46 am

The Pi Hut is offering a bundle of Zero + Essentials Kit + SD card for £16. The Zero by itself is still £4

Paul says: 26th Nov 2015 at 9:57 am

I guess our £4 includes tax, whereas I don't think the $5 prices does as local tax is usually applied during the purchase.

John W says: 26th Nov 2015 at 8:56 am

Just ordered one from Pimoroni for £4. A reasonable parallel, given the curse of VAT.

Roger says: 26th Nov 2015 at 2:20 pm

Shame you couldn't have got the UK price down to £3.14 :)

Remi says: 16th Dec 2015 at 10:03 pm

I see what you did there 3.14 ;)

Mohsin says: 26th Nov 2015 at 8:19 am

I hope this comes to India soon. i've got some ideas for automating my house so it would be nice to have one of these baby's in each room.

Nx says: 26th Nov 2015 at 8:19 am

Very very good job ! This is a giant step toward education !

I wish there's one more USB data port though. Is it possible to connect a device into the power port ? or it's only used for getting power only.

Liz Upton says: 26th Nov 2015 at 8:26 am

You can use a USB hub if you want more slots.

Liam Kennedy says: 26th Nov 2015 at 9:11 am

This is just simply a mind-blowing product. WOW.

Ordered mine via Adafruit. Can't wait to try it out.

I'm also even more inspired to check out that "custom build" option you announced via Farnell last month.

If I could have a version with built-in WiFi (and this is not any criticism at ALL for the Pi Zero – that truly is a game-changer in what is possible)

Ken MacIver says: 26th Nov 2015 at 8:23 am

A $5 Pi !!!, That's the price of an enormous cup of Xmas themed coffee (I 'm thinking gingerbread mocha). Just like the best coffee shops is there any way I can buy one and suspend one..? I'd gladly pay double to get one and gift one.

Daza says: 26th Nov 2015 at 8:26 am

That is impressive for the power and form factor not to mention the price.. i will buy one just for the sake of trying this little beauty out

could there be another model in the pipe line opposite to this where a new PI is more powerful has more hardware functionality?

i know there are many PI fans and users here who would happily pay out a bit more for a higher proc/ram, USB3, wifi module, built in optical/amp… just a future though!

maybe do a poll on what users would like.. give them an idea on what could be possible and commit payment to it like kickstarter!

Adi says: 26th Nov 2015 at 8:29 am

THis is wonderful. However, I wish if Rasberry community launches a cheaper Wifi enabled version of RP so that is can be used to develop IoT applications. Presently the wifi adapter itself comes over 10$.

Ed Harding says: 26th Nov 2015 at 8:58 am

Ifyou're thinking IoT, then start thinking about a $5 Pi Zero plus a $2 ESP8266, and get your best pair of hacking boots on!

Norbert says: 26th Nov 2015 at 1:12 pm

Yes you can but that will be 160 mA of current consumption for the Zero + 240 mA for the ESP which is complicated on batteries.

Ed Harding says: 27th Nov 2015 at 12:56 am

…and that's the art of knowing how often, and how deeply, you put your ESP8266 into a current-sipping sleep mode vs. running it 24/7 in full-on heat-the-planet mode.

Obviously, your battery mileage may vary, but my take on the IoT is that energy-prudent Things need to know when to be seen and not heard, when to be heard and not seen,

Retroclinic says: 26th Nov 2015 at 8:30 am

Farnell are charging £11.88+VAT. That's not $5? Also out of stock, so we can't buy today. Can't help the stick thing, but why the difference in UK price?

Michael Horne says: 26th Nov 2015 at 8:48 am

Try The Pi Hut – they had plenty in stock when I last checked.

smartroad says: 26th Nov 2015 at 8:32 am

I wish that you had put a normal USB and HDMI. It is hardly a £4 computer when you have to have another £8 worth of dongles attached to it.

It is an amazing board though just wonder if making it a few mm bigger could have allowed for normal sized ports.

Will there be a Pi Zero+ with the Pi2 processor on? would be awesome for a very small (thinking built into a controller) emulator platform!

James Hughes says: 26th Nov 2015 at 8:45 am

Are you thinking about the Model A+ or B2+? Remember, if you want lots of features, they have to be paid for somehow!

Mike Redrobe says: 26th Nov 2015 at 11:52 am

Ideally would have liked a full size USB socket, and the camera socket

BUT IT'S 4 QUID !! SO AMAZEBALLS!

smartroad says: 28th Nov 2015 at 10:26 am

I was just wondering if adding a full sized USB and HDMI ports would have added to the cost as much as having to buy converters to use along with it?

Don't get me wrong, this is an amazing device for £4! I have brought one and have an idea for a project to use it in, it just would be more convenient to have normal ports.

aremvee says: 27th Nov 2015 at 1:05 am

think of it as a Compute module with connectivity options

Shon Brennan says: 26th Nov 2015 at 8:35 am

This is an obvious answer to the C.H.I.P., the specs are identical except half the cost and doesn't have the built in wi-fi and bluetooth.

Lee Wilkin says: 26th Nov 2015 at 8:43 am

… Absolutely Astonishing Acheivement! (AAA+++++) … would definitely buy from again (hang on a minute, I'm not on EBay and I have a MagPi subscription) … guess that means I'll be taking delivery of a brand new computer that is completely FREE!!! :-O

Two questions:-

1. Do kids (and big kids like me) know how lucky they are to have you guys rocking their Geeky socks off?

2. How on earth have you done this?! :-O (you must have just broken Reality with your awesome hack)

Lee Wilkin says: 26th Nov 2015 at 9:07 am

Sorry, I know this isn't cool (asking a question and then answering it with a reply in my
own comment) but the answer for Q.1 (for some people) is obviously "No" – reading the
negative comments in this blog post … it's a sad fact that some people will never be
pleased … shrug off the trolls, you awesome guys! :-)

Dedy Yasriady says: 26th Nov 2015 at 8:43 am

wow…. breathtaking price for IoT/Embedded geek!! When will be available worldwide,
Indonesia is now waiting…

wahyu says: 8th Dec 2015 at 12:33 pm

sing sabar lan tawakal ya om :P

Andy Baker says: 26th Nov 2015 at 8:51 am

I have 5 on the way from various sources including cables, 3 way USB hubs and uSD
cards to give away at the @CotswoldJam on Saturday – I hope the postal system can
hold up and get them to me tomorrow. http://www.cotswoldjam.org

Suresh says: 26th Nov 2015 at 8:52 am

What an amazing holidays gift idea for the kids :) This will create a revoltuion in coding,
since it's cutting down the price barrier.

Merry Christmas to Raspberry pi team.

The Merkle says: 26th Nov 2015 at 8:56 am

With the release of the Pi Zero now running a bitcoin node just got cheaper! Now instead
of spending $50-$100 on a brand new Raspberry Pi 2 and an SD card you can get the
same functionality out of $15 plus shipping.

Read more:

http://themerkle.com/news/running-a-bitcoin-node-just-got-cheaper-with-the-5-
raspberry-pi/

Ali Sözkesen says: 26th Nov 2015 at 9:01 am

Isthere a audio out module or pins?
If so, it will be a great client for the baby monitor that I did with raspberry pi 2. I can run it
as it's embedded on my old tv.

Michael Horne says: 26th Nov 2015 at 9:19 am

No. But Pimoroni are doing a DAC mini-HAT if you want audio. Alternatively see if you
can get it out of the HDMI.

mahjongg says: 26th Nov 2015 at 10:19 am

Well, the original PI's analog audio was never more than two PWM outputs plus a couple
of cheap passive components and a connector, the GPIO carries one of these PWM
outputs so I assume that with the same few passive components you could get at least
mono audio out of it. You can look at the schematics of the PI for details.

Ideal if you want to build your own gaming rig with it.

Jenny List says: 26th Nov 2015 at 9:01 am

Well done! My order is in the post :)

Could I lodge a plea for a mechanical spec for Pi Zero Hats when your launch traffic has
died down?

John W says: 26th Nov 2015 at 9:01 am

I wonder whether I could find a 4-8 port USB hub with enough space to fit one of these
inside? Then I could have just the hub sitting on a desk, with no apparent computer.

Ian Hodgetts says: 26th Nov 2015 at 12:50 pm

LOVE this idea! I "need" to do this now :-D

MarkP says: 26th Nov 2015 at 5:09 pm

Check out ModMyPi – they make a "naked 7 port usb hub – you could easily fit a PiZero
into that footprint. Of course you would have to hack your own case, but that is half the
fun. (There is a 3D printed case design linked)

Mesut Piskin says: 26th Nov 2015 at 9:04 am

its great
he is like jason statham :D

mohhope says: 26th Nov 2015 at 9:04 am

Wow that's Cool i like the new raspberry pi zero

arjoonn sharma says: 26th Nov 2015 at 9:08 am

Isthis available in India? The only reason my school does not have computers is they are
expensive. This could be affordable at last.

Rich Steed says: 26th Nov 2015 at 9:14 am

Awesome – might actually be able to afford a class set now and do proper Python
instead of having to use a dodgy Virtual Machine!

Also cheap enough that I can get them doing some signs and displays around school
too I hope

Will have to pop into Tesco on the way home and see if I can get a copy of the mag :)

Nigel Kendrick says: 26th Nov 2015 at 9:15 am

Just picked up two on the walk into work. Good stuff. Shoild make a great IoT
platform/Mesh device with an ESP8266 doing the connectivity.

Vineeth Raj says: 26th Nov 2015 at 9:17 am

I was looking at the prices of the Raspberry Pi at element14, only dealer shipping to
India; and it costs INR 1198 (~USD 18), *excluding* tax and shipping.

Can you guys figure out a way to make this priced uniformly worldwide (excluding
shipping)?

Well, element14 here in Australia wants to charge us AUD$20 instead of AU$7, and that's the bare board only

http://au.element14.com/webapp/wcs/stores/servlet/Search?catalogId=15001&mfpn=RASPBERRYPI-ZERO&langId=43&searchRef=SearchLookAhead&storeId=10184

It's cheaper to import it from a UK store myself…

Seb says: 26th Nov 2015 at 9:44 am

Little bird has the kit for au$25, they don't know yet if the kit has the sd card.
http://raspberry.piaustralia.com.au/products/raspberry-pi-zero

mahjongg says: 28th Nov 2015 at 2:15 pm

No! the $19.20 price is including a cable set, not just the board alone.
AFAIK the cable set consists of a microHDMI to HDMI adapter cable, a MicroUSB to USB cable and a 40 pole pinheader. All easily worth $10.
Its also including taxes and shipping.

rocket-dog says: 26th Nov 2015 at 9:23 am

I have wanted a box just for MAME and emulation of retro PCs for a while now. Thanks RPi team. :)

dendad says: 26th Nov 2015 at 9:25 am

I am very interested in this "$5" Pi.
Odd 'tho, when I look on Element14, $5 becomes $19+
That is a bit of a pity.

Rob Jansen says: 26th Nov 2015 at 9:42 am

Yep, same over here in the Netherlands.
$5 becomes 17 EUR at farnell and even 18,95 at sossolutions.nl

I'm taking the Ferry to the UK to pick up a few MagPi issues at the nearest Tesco – cheaper than buying one over here ;-)

RaspberryStore says: 26th Nov 2015 at 3:36 pm

Jup, Farnell is making money big time! Latest price was 14 euro for 50 Zero's. Buying a single piece + shipping is cheaper than Farnell.
Great product, but now the challenge to get one for the official price…

Mukund says: 26th Nov 2015 at 9:28 am

When will we get it in India for the same low price? The model B sells for 85$.

LT says: 26th Nov 2015 at 9:38 am

Some questions up there :

– Is there a risk of blowing something, by plugging power to micro USB data instead of micro USB power (since they are the same connector) ?
I suppose both 5V lines are connected and there is no risk.

– I understand that connector price are very important in a such low price design, but is there a chance to retreive DSI or CSI signals from anywhere in the board ?

Ben says: 26th Nov 2015 at 6:53 pm

There's an official microUSB to USB connector, and an official USB WiFi dongle, so I suppose you have an official microUSB to WiFi solution already :-)

Dave KZN says: 26th Nov 2015 at 9:39 am

This is fantastic! I have a gazillion uses for this little marvel. My only caveat is the lack of analog audio, which I use in some of my projects for text-to-voice and sound effects. Is there maybe a simple (read: cheap) way to add it, with say a couple of resistors and capacitors? A full blown audio hat might be overkill. But other than that tiny niggle, I can't wait to get my hands on a few dozen of these!

Dave says: 26th Nov 2015 at 9:57 am

There are USB sound adaptors for £1 or pennies more on Amazon/eBay that might work. I'm not sure about compatibility with Linux/other but at that price it is worth a try. I have a little project in mind that was going to use a Pi which this smaller+cheaper form might be better for if I can sort some convenient audio output without completely undoing the convenience of the smaller form+price.

Dave KZN says: 26th Nov 2015 at 10:42 am

I will check them out. I did find what looks like the audio circuitry of the original Pi's, which takes two PWM outputs from the Broadcom chip and filters and decouples them with 2 resistors and 2 capacitors per channel. If these outputs are accessible on the Pi Zero, I could try this. Of course the eBay audio adapters might be cheaper…

AndrewS says: 26th Nov 2015 at 11:57 am

https://learn.adafruit.com/introducing-the-raspberry-pi-zero/audio-outputs

Seb says: 26th Nov 2015 at 9:40 am

Very very cool, would have been nice to have a more modern cpu, but for us$5, thank you pi team.

Ian McAlpine says: 26th Nov 2015 at 9:42 am

Just incredible… and the BBC Micro Bit still isn't available!

Will international subscribers (ie Canada) of The MagPi also receive a Pi Zero and does the cable offer for new subscribers also apply for intenational readers?

Excellent job!

Liz Upton says: 26th Nov 2015 at 9:56 am

Yes to both of your questions. :)

Ian McAlpine says: 26th Nov 2015 at 10:59 am

Wonderfull… absolutely wonderfull.

Thank you Liz & Eben.

I just rushed out to WHSmiths and made the guy look through all the stock they had yet
to put on display so I could buy a copy of MagPI.

The zero looks amazing, can we say *CLUSTER*

Kurinando says: 26th Nov 2015 at 9:54 am

What about CM2… any news?

Ioannis says: 26th Nov 2015 at 9:58 am

Just Perfect !!!

Zeke says: 26th Nov 2015 at 9:58 am H
                                                                        i
,

I suscribed to the online version. Will i get a rasberry pi zero with the online version of
december issue together with the free cables prior to my subscription?

Furkan Aşık says: 26th Nov 2015 at 9:59 am

its great,
Congratulation .
this is very nice.

Neil Hastings says: 26th Nov 2015 at 10:01 am

It's way too expensive for me :(

kneekoo says: 27th Nov 2015 at 12:24 pm

Then ask your parents to buy you one.

ResearchIT says: 26th Nov 2015 at 10:03 am

for 5$, it's amazing!
Still, I would have voted for a 7$ version with LAN (or WIFI). In the era of connectivity, I
can hardly find any fun in something not connected.
Or maybe the hdmi is the one that accepts LAN connectivity?

Tim Richardson says: 26th Nov 2015 at 10:05 am

I thought the A+ was cute, but the Zero!

Well done all at the Foundation and Trading for keeping this so quiet – almost feels like
an Apple launch!

Dougie says: 26th Nov 2015 at 10:05 am

Wow, just wow!

artesea says: 26th Nov 2015 at 10:06 am

Picked up two MagPi's at WHSmiths this morning, I saw the purchase as two Pi Zeros,
plus two bonus magazines with zero delivery costs and instant availablitiy for £11.98.
Cheapest option by far.

Anna J says: 26th Nov 2015 at 10:07 am

Once again you pleased us with amazing Christmas prize.
Thanks a lot
-Anna

Amir says: 26th Nov 2015 at 10:07 am

How do you plug keyboard? and how about getting online?

Gavin Smith says: 26th Nov 2015 at 10:12 am

Checked local Tesco, Asda and Sainsburys in NI, got someone to check in each shop,
but not a single issue. Boooo :(

> ZombieWorm says: 26th Nov 2015 at 7:28 pm
>
> Sowhere in NI can we check these?
>
> The lack of WHSmiths is astonishing, is there an alternative stockist?
>
> > Liz Upton says: 26th Nov 2015 at 9:03 pm
> >
> > Turns out Tesco HAD them, but couldn't get them to scan – so they sent them back!
> > We're trying to sort it out, so hopefully they should appear in a Tesco near you in the next
> > few days.

Steve B says: 26th Nov 2015 at 10:13 am

Awesome news….can we go pick one up in Pencoed?? :D I work literally 5 mins from
there lol

Paul says: 26th Nov 2015 at 10:16 am

IfI subscribed today would I be able to obtain the December issue and of course the
PiZero I have Pi 2 running as a media, file server and developmental webserver.

> Gordon Hollingworth says: 26th Nov 2015 at 3:37 pm
>
> Yes if you subscribe you'll get the Pi Zero with your subscription

anon says: 26th Nov 2015 at 10:16 am

Does this have i2c bus?

> mahjongg says: 26th Nov 2015 at 12:11 pm
>
> YES! It has all the interfaces on the GPIO bus, so I2C, I2S, SPI, PWM and UART (serial)
> are all available.
> And of course all the normal GPIO's.
> Its also HAT compatible.

Brasso says: 26th Nov 2015 at 10:17 am

I read about this and immediately left my desk to get one from WHSmith. I resisted
buying 2 thinking that they need to be shared around, but a guy behind me lifted every

hacking.

This spec appeals to me more than my Pi2Bs and is a bit of a slap in the nuts for BBC
Micro-Bit.

Steve Lee says: 26th Nov 2015 at 10:17 am

I just rushed into town to get mine.

Thanks for listening to the big guy from Google :)

Alan Mc says: 26th Nov 2015 at 10:20 am

It's true ES did make a "recommendation" about that ;o) +1

Misia Anto says: 26th Nov 2015 at 10:19 am

I never thought I would see the day that a computer could be sold for $5. This will
definitely allow a lot of folk to join the computer science community. I hope there will be
sufficient supply within the next few months.

Chris says: 26th Nov 2015 at 10:21 am

Awesome!

Though it isn't really available immediately from UK outlets, and its not really $5 when
you get there… (its more like $18, from Farnell)

http://uk.farnell.com/raspberry-pi/raspberrypi-zero/sbc-zero/dp/2508221?
ost=2508221&selectedCategoryId=&ICID=cyber-week-BPIN

However, it IS small and cute :-)

ukscone says: 26th Nov 2015 at 10:23 am

PiHut and Pimoroni at least have stock for shipping today (if you hurry)

Chris says: 26th Nov 2015 at 10:28 am

Right, but Element14 never had any (as per the announcement) and ts not $5 whenyou
get there (as per the announcement).

Getting one is easy enough, I'll pick up a copy of MapPi, but thats not the point I was
making…

Brasso says: 26th Nov 2015 at 10:32 am

AsLiz commented above, the E14/CPC offer includes a cables bundle.

Brasso says: 26th Nov 2015 at 10:31 am

Some WHSmiths still have some stock if you hurry. And you get a free magazine with it.

Alan Mc says: 26th Nov 2015 at 10:24 am

Pour votre information, en France Kubii.fr have just put the #PiZero up on their site for
€8,90 TTC {http://www.kubii.fr/nano-ordinateurs-raspberry-pi/1401-raspberry-pi-
zero-.html}…just waiting on stock… ;o)

"…several tens of thousands…" Why not tens of millions!? Excellent news!

mahjongg says: 26th Nov 2015 at 1:43 pm

Tens of millions takes a year or so to fabricate, but my guess is that they will sell as fast as they can produce them. Which should be faster than previous PI's, I can tell you that!

gordon77 says: 26th Nov 2015 at 10:25 am

Great for $5, well done !!

…. but it seems to cost £11.88 + vat etc at Farnell, and more at CPC with adapters.

Gordon Hollingworth says: 26th Nov 2015 at 11:00 am

I think even at Farnell it includes the connectors

Vlad says: 26th Nov 2015 at 10:26 am

That's amazing job! All the basic functions available for such a price! However back to reality, the real price for people will be very different. Charity or not, distributor's CEO needs new Porsche… Did actually anybody see selling Pi Zero for advertised price (+ VAT)?

Stewart Watkiss says: 26th Nov 2015 at 11:53 am

Some retailers are selling for £4. After converting to pounds and adding VAT – it works out about 2 pence more, so that's pretty close.

Sportsnapper says: 26th Nov 2015 at 10:26 am

Amazing – Merry Christmas to me – but the SWAG store is sold out already :-(

I do find it amazing how many negative comments this announcement has got though – it surely is a "Good thing". the Pi has already transformed a number of things for me – this can only add to that. And made in Wales too :-)

Andy says: 26th Nov 2015 at 10:27 am

Isnetworking possible via that micro USB connector + adaptor + USB Wifi?

mahjongg says: 26th Nov 2015 at 12:28 pm Y
                                                                                E
S!

Jim Manley says: 26th Nov 2015 at 2:23 pm

Yes! It's just like on the A+, which this apparently is replacing, with double the DRAM and a 40% increase in speed. A micro-USB-to-USB-A OTG (On The Go) adapter can be had for about $1.50 and then you can plug a WiFi, Bluetooth, or RF keyboard/trackpad in and run it from the comfort of your La-Z-Boy recliner or equivalent, via SSH, VNC, RDC, etc.

I've already done this with a Logitech K400 RF keyboard/trackpad, which is now $19.99, down from $26.99 in Walmart. There's apparently a newer K400 model out at the higher price and they're clearing out the old model, which is functionally identical, it's just a cosmetic change.

Well, not replacing the A+ exactly, at least not if you want to use a CSI camera or DSI display; no flatcable connectors.

Beverly Howard says: 30th Nov 2015 at 4:48 pm

Amazon has a variety of otg adapters, including OTG hubs… including this 3 pack with free shipping for $1.80

http://www.amazon.com/Generic-Micro-Cable-Cellphone-Tablet/dp/B00AYPEL56

Just search for OTG

Hope that this information is helpful
Beverly Howard

Siddharth Jha says: 26th Nov 2015 at 10:29 am

People at Pi foundation, you have my respect! Thanks a lot for being there!

Miro says: 26th Nov 2015 at 10:31 am

Itis amazing!!I love it.
Does anyone know the working temperature range?
Thank you.

mahjongg says: 26th Nov 2015 at 1:47 pm

Should be the same as the Broadcom SoC, so -40°C to 85°C.
Indeed previous PI's worked well from the antarctic to the deserts.

Anthony says: 26th Nov 2015 at 10:32 am

Hithere, sorry for the stupid noob post, but my other half has just got the magazine with the Pi Zero on it for me. Now this is the VERY FIRST PI I have owned and can't wait to play with it!
Question is, if I buy a USB Wi-Fi adapter, can I use it on this Pi Zero via the micro USB connector? Or would it work via a 4 port USB Hub?

Sorry for the dumb questions but as I say this is the very first Pi I have owned!

Brasso says: 26th Nov 2015 at 10:51 am

There will be more than one way of getting the Pi on line. Guaranteed somebody will put details on the web about getting the Pi Zero working with an ESP8266 which can be had for a couple of quid on Ebay.

Anthony says: 26th Nov 2015 at 11:01 am

Thanks for the reply Brasso, much appreciated.

Looks like I am in for quite a ride learning all about these Pi's, and I'm so looking forward to it now!!

exartemarte says: 26th Nov 2015 at 11:40 am

Lots of us use USB wi-fi adapters with Raspberry Pi's. They have standard USB connectors so you will need an an adapter cable to connect the wi-fi to the Pi Zero's micro-usb port. These are available from the suppliers of the Pi Zero, including the Swag Shop, Pi Hut, Pimoroni, etc.

Thanks for that exartemarte, just ordered one. Now all I have to do is wait!

Andreas says: 26th Nov 2015 at 10:32 am

Thank you Raspberry Pi! Vielen Dank. Ihr seid wunderbar!v Just orderen 12 Pi Zeros in
Total. Finally I can do all the little projects with the Kids in my Pi Club I always wanted to
do and do not have to wait until the parents get out their wallets.

zoel says: 26th Nov 2015 at 10:33 am

its great,
Congratulation …..but for Indonesia it will come January :-)

Ian H says: 26th Nov 2015 at 10:36 am

Weneed to get a network to this thing, without a mess of USB adapters. Any chance the
Swag shop will source an SPI-connected (think ENC28J60) wired or wireless Ethernet
adapter which will go on the GPIO headers?

Anton says: 26th Nov 2015 at 10:39 am

I apologize for stupid comment in advance but……..WHAAAAAAT?

This is extraordinary! This is most extraordinary! THANK YOU!

Please, I have to questions: is Zero going to be mass-produced similarly to other models
and what does the introduction of Zero means for Model A? I mean, will Zero be
available just for this Christmas or are you intending to produce millions of them, if there
is demand and I very much like Model A but Zero seems to give me everything A does,
what are the differences between these?

Again, thank you so much, I immediately asked my friend in UK to buy one of the
magazines!

Ben says: 26th Nov 2015 at 7:01 pm

I'm not from the foundation so can't say for sure, but I'd be VERY surprised if it was
discontinued – I mean, you can still get "original" (well, 512MB) model B boards
(http://uk.farnell.com/raspberry-pi/raspbrry-modb-512m/sbc-raspberry-pi-model-b-
512mb/dp/2434669?ost=2434669&selectedCategoryId=)…

Moonchild says: 26th Nov 2015 at 10:40 am

Awesome ! But i'm still waiting for a Pi 2 model A with an intermediate size, full-size
connectics and a camera port :) Any news about it ?

Sergi says: 26th Nov 2015 at 10:44 am

Where can I buy it in Spain?

Huw says: 26th Nov 2015 at 10:44 am

Excellent news!

It's really cool to see "Made in Wales".

I just popped in to the WHSmiths near my place of work – MagPi sold out. :-(

Brasso says: 26th Nov 2015 at 10:48 am

Huw says: 27th Nov 2015 at 10:16 am

They got another ten copies in this morning – all gone.

Myg says: 26th Nov 2015 at 10:44 am

IsPi Zero available in Spain?

Szymon Życiński says: 26th Nov 2015 at 10:46 am

How to get it into Poland?! On swag out of stock …. any idea?

fanoush says: 26th Nov 2015 at 1:02 pm

pimoroni shop has them for 4GBP and shipped to CZ for another 4GPB – total 8GBP, already got shipping confirmation

richard says: 26th Nov 2015 at 10:51 am

OMG!!!! Just OMG!!! You are incredible!

Dr Jochen L Leidner says: 26th Nov 2015 at 10:56 am

Fantastic, congratulations!

As you say, you've reached a state where price is no longer a barrier to entry.

Therefore, the next step of the Raspberry movement should
focus on making it easier to set it up (hardware, software) and to develop educational programmes targeting different age groups (very young children, children, teenagers, youn adults, adults, seniors) and backgrounds (cultural localization of the materials, gender localization etc.).

Keep up the great work!

Kind regards
Jochen

dobra-dobra says: 26th Nov 2015 at 11:03 am

Isthere any reference list what is in or what is out in Raspbian Lite?

Gvaitarnonsense says: 26th Nov 2015 at 11:04 am

I don't get it how is £11.88+VAT $5?

Liz Upton says: 26th Nov 2015 at 11:05 am

That's a bundle with cables – if you dig deeper into that website you should be able to find the board on its own.

Richard Brooksby says: 26th Nov 2015 at 11:22 am

I called them. It's only available as a bundle. So Farnell at least are not selling it at $5.

OK, thanks, shame E14 are letting the side down a bit by not actually selling it on its

own. Well done though for what will inevitably be a very useful new board.

N says: 26th Nov 2015 at 11:07 am

Magpie issue 40

I have download the file and some of the pages can not be viewed from the downloaded file. Some of pages can not be view online either.

Is anyone else having problems with this !

Richard Brooksby says: 26th Nov 2015 at 11:08 am

Farnell want £11.88 + VAT, not $5. That's not a big deal for me, but somewhat against your stated aims. Hopefully you'll be having a word?

don isenstadt says: 26th Nov 2015 at 12:16 pm

MCM electronics sold out – but again they won't sell the pizero by itself.. bundle it with power supply … see link
http://www.mcmelectronics.com/product/83-17098

J says: 26th Nov 2015 at 11:10 am

$5? Not at element14 and The Pi Hut. Why exactly are they being listed as trusted suppliers when they're so blatantly overcharging?

exartemarte says: 26th Nov 2015 at 11:47 am

The Zero is available without extras on Pi Hut for £4.00 plus postage. You just have to look.

Greg Macaree says: 26th Nov 2015 at 11:50 am

PiHut have them at £4.00 if you say no to cables and no SD Card. I just bought one as none of my local newsagents (checked 4) or supermarkets carry the MagPi!

Greg

Jurva-Markus Vehasmaa says: 26th Nov 2015 at 11:11 am

Wish i could actually buy this anywhere close to 5$ in my country.

ValentinJesse says: 26th Nov 2015 at 11:12 am

It's incredible to see cpu/ram/hdmi/usb ports and the rest implemented into a $5 board. And you have to wonder how cheaper it can get, considering that these will be sold at a profit. Too bad that the rest of the hardware is still as expensive. You now have a computer that it's cheaper than the cheapest keyboard, mouse and almost every piece of hardware that you can find on the market at this moment. I was feeling bad for spending $35 at a restaurant instead of buying a raspberry, imagine now :)). Incredible job, guys.

don isenstadt says: 26th Nov 2015 at 11:15 am

I can't believe it… just amazing! Will work great on robots, Iot … anything … WOW! Where does the A+ fit now? This seems to be an A+ replacement?Thanks again … you guys never cease to amaze me! :-)

This is just an awesome news, too excited to try the same, I hope it wont be too low in term of performance as compare to pi2. A request to pi maker, please make it available in India soon.

Scott says: 26th Nov 2015 at 11:18 am

I can't believe it, this is the best thing to happen this year!!!

I honestly kept thinking this was a prank and checked other sites… I'm going to be hunting high and low for that magazine.

Things like this are what make Britain Great!

Beli says: 26th Nov 2015 at 11:25 am

Good job!
Would there be a Zero 2 version based on ARMv7 like the RPi2?

Dave says: 26th Nov 2015 at 11:25 am

Will this work with Gert's VGA adapater?
Because there are a ton of older LCD's out there for free/beer which would go tremendously with this device for a low cost video solution. Especially those with built in hubs!! :)
£1.50 for a USB wifi card, or about the same for a microUSB hub from a well know auction house.
I get why its' micro USB, but the necessity of an adapter, verses a full size socket for much greater support I do think would have been a better bet.
It's not putting me off buying a few and deploying them as projects by any means, just food for thought.

What are the various test points, JTAG? and other jumper spaces on the underside of the board for/connected to ?
Can't wait to figure it out :)

dom says: 26th Nov 2015 at 11:50 am

Yes, Gert's VGA adaptor should work if you solder on the GPIO header.

Kaniska says: 26th Nov 2015 at 11:26 am

Great News :-)

Thanks Raspberrypi Foundation.

prioryjim says: 26th Nov 2015 at 11:32 am

Itwould be better with a wired network and no HDMI !

Stewart Watkiss says: 26th Nov 2015 at 11:59 am

NoHDMI would make it very hard for school children to get started programming. Also video capability is included on the CPU (so just the cost of the physical connector) whereas networking would add to the cost.

Vlad says: 26th Nov 2015 at 11:58 pm

I'm with you. No need of HDMI. But if you add Ethernet, I'm game!

Did the mods miss the comment at: 26th Nov 2015 at 11:02 am

??

Pete Stevens says: 26th Nov 2015 at 11:44 am

Zapped. Our more aggressive caching setup might make it slightly harder to moderate, but the website so far is staying up.

Ilya Zarembsky says: 26th Nov 2015 at 11:36 am

Holy moly.

I feel privileged to be witnessing this moment in history.

Chris Evans says: 26th Nov 2015 at 11:38 am

Great work :-)
Nipped to my local newsagents and now have one!
It seems to allow backpowering! Is that officially supported?
p.s. It also will run RISC OS (Needs fairly recent firmware)

dd says: 26th Nov 2015 at 11:42 am

I miss a cheap network connection!
Maybe they can take care of it and complete the "Zero+" with soldering one of the cheapest WLAN stick chips directly on the board.

Of course it will inc the price to something about 8-9$ but than this PI would be a complete and real KILLER for the IOT-World.

Steve Breve says: 26th Nov 2015 at 11:42 am

Just checked with 6 local MagPi suppliers in Horsham – all sold out. Interestingly enough, others have called inquiring the same. Which one of you was it?

Lee says: 26th Nov 2015 at 11:44 am

Got mine today and would love to know, do I need to use the official Micro USB adapter or can I just use an OTG adapter??

Howard Beakman says: 26th Nov 2015 at 11:48 am

I applaud The Foundation for their Global Stewardship of not including native networking. With networking capabilities, think what will happen when the number of Pi Zero's reaches critical mass and they all begin to communicate with each other… Who will then have Pi in their face :)

Ned the Nerd says: 26th Nov 2015 at 11:49 am

A £4 media player – good news – Rasplex of course!

Christian says: 26th Nov 2015 at 11:51 am

Are the Micro-USB sockets OTG compatible (work as host and slave)? Then one could establish an IP connection to a PC via usbnet. Would be great.

Ifusbnet is available a Raspberry Pi cluster could be build for peanuts….

Droner says: 26th Nov 2015 at 11:53 am

Anyone plan on getting raspberrypi0.com ?

naqeeb says: 26th Nov 2015 at 11:57 am

what about germany?

exartemarte says: 26th Nov 2015 at 12:00 pm

Alas, the inevitable bleating about how it's not really a $5 computer. While there might be problems elsewhere, in the UK both Pi Hut and Pimoroni, at least, have the bare-bones Zero available at £4.00 plus postage – you just have to look. Of course, they've probably sold out by now …

Stewart Watkiss says: 26th Nov 2015 at 12:07 pm

Asfar as I can tell both have just sold out within the last hour or so.

japaneseSamurai says: 26th Nov 2015 at 12:00 pm H

i

Is the name inspired from the famed Japanese fighter A6M0 ?
Small and Nimble.

Drake says: 26th Nov 2015 at 12:03 pm

I wonder how they make it for 5USD.

Paolo Bisighin says: 26th Nov 2015 at 12:06 pm

Wow! Finally with Chinese prices an excellent European project.
I predict that Raspberry PI Zero will split the market. I can not wait that it is available also in Italy!

Anonymous says: 26th Nov 2015 at 12:11 pm

This is amazing work, affordable computing for everyone … the country is advertising STEM education, now for the schools to use this as a learning tool early (middle school) and watch the number of STEM graduates get a booster shot :)

Rob says: 26th Nov 2015 at 12:14 pm

Brilliant!
This is the best Xmas present ever ….

Alex Holden says: 26th Nov 2015 at 12:19 pm

Surprising number of commenters are peering into the gift-horse's mouth with a magnifying glass.

Well done, Raspberry Pi Foundation!

Sadly my local Smith's hadn't received copies of the magazine.

BLOG   **DOWNLOADS**   **COMMUNITY**   **HELP**   **FORUMS**   **EDUCATION**

Berry Win says: 26th Nov 2015 at 12:22 pm

Atfirst glance this is awesome. But then I realized it has no network connection. What a bummer!

James Hughes says: 26th Nov 2015 at 2:14 pm

It's $5…..you cannot have everything.

Brandlin says: 26th Nov 2015 at 12:28 pm

I think I just bought the last one from the pi hut.
And yes it was available at £4 without cables.

paddyg says: 26th Nov 2015 at 12:31 pm

KUDOS.

3.3 GBP is less than pretty much anything.

The publicity and marketing (for the importance of coding in education) arising from this must be worth many millions.

Jonas says: 26th Nov 2015 at 12:32 pm

SoFarnell refuses to sell them as they are, they're trying to convince resellers to pay them $14 for the Zero and two cables instead.
Aren't they supposed to be an official distributor? Ridiculous.

James Hughes says: 26th Nov 2015 at 2:17 pm

Plenty of other places to buy them from….use them.

Jonas says: 26th Nov 2015 at 6:46 am

Maybe you didn't read what I wrote. I wrote "they're trying to convince resellers". If you want to buy a single unit buying somewhere else is no problem, but there aren't that many distributors that resellers can buy from and Farnell acting like this is nothing short of outrageous.

Sudhir Brahma says: 26th Nov 2015 at 12:33 pm

I would rather have the next version of Raspberry pi to have more cores and more RAM (at least 3 GB) and the camera to be abt 20 Megapixel

David says: 26th Nov 2015 at 12:46 pm

#PIZERO. It changes everything…

H. Scholten says: 26th Nov 2015 at 12:46 pm

A computer that can come for free with a magazine…

You did it again.

David Ferguson says: 26th Nov 2015 at 12:47 pm

BLOG   DOWNLOADS   COMMUNITY   HELP   FORUMS   EDUCATION

Jongoleur says: 26th Nov 2015 at 12:49 pm

Wow!

In days of yore, electronics mags would give away a small cover-mounted circuit board for free, allowing readers to build a featured project, but I think this must be the first time EVER that a mag has mounted a complete computer!

Popped into WHS this morning and got a couple. Playtime!

And its more or less what the Foundation demoed to Rory Cellan-Jones all those years ago; a tiny finger of a board that can do amazing things.

Jagmills says: 26th Nov 2015 at 12:50 pm

Fantastic news! Fortunately picked up a copy of the MagPi this morning.

Any news on what J5 on the back of the board and the unpopulated U13 will do? :)

Albert says: 26th Nov 2015 at 9:58 pm

J5is a debugging header.
Unless you want to get into the reading the registers on the Broadcom chip it's not something that will need a connection.

Casper says: 26th Nov 2015 at 12:51 pm

Awesome work guys. Is there any shops in South Africa which will stock it?

Philip says: 26th Nov 2015 at 12:51 pm

Microcenter link gives a 404, and search gives me nothing. Is this an in-store only?

Vicheaux.com says: 26th Nov 2015 at 12:55 pm

i really really really miss any network connection , i still would buy it, thou :D

Robert Wiltshire (astrotutor) says: 26th Nov 2015 at 12:57 pm

I've been trying unsuccessfully to get the PiZero to boot from two SD cards. The answer is a completely fresh NOOBS SD card. In my case anyway. New image is writing as I write this on the PiZero.
I can't wait to show it off. Well done everyone.

Scott says: 26th Nov 2015 at 12:58 pm

Does anyone know if there is CSI access hidden somewhere or perhaps an add-on? I use A+ boards with cameras and the Zero would be a fantastic upgrade if camera use is possible. Nice holiday surprise!

J. Michael Henneberg says: 26th Nov 2015 at 1:00 pm

Will the the December issue of The MagPi be sold in Germany?
Expecially with the Raspberry Pi Zero?
And if the answer is yes, where would it be sold?
Thank you so much…

You can always buy a subscription and opt for the December issue you'll be guaranteed one then

Nackybear says: 26th Nov 2015 at 1:01 pm

Wonderful!!!!

Kip says: 26th Nov 2015 at 1:02 pm

Amazing!!
A pic with some British currency, for us people who don't have have dollars to compare the size with please ? :)

Marc Cote says: 26th Nov 2015 at 1:06 pm

Good morning,

I have been talking about the bic computer, a throw away machine so inexpensive you wouldn't think twice.

Bloody heck, this one is even cheaper than my actual pen !!!

Congrats, now we have to hack in an ethernet port ;-) I guess we could add a usb to ethernet or go wifi. hummm. silly me.

Rolinger says: 26th Nov 2015 at 1:12 pm

Brilliant, this is an amazing product! Just thinking what I'd have felt like if I'd bought Spectrum User in the 80's and got a free Spectrum- amazing!!
Not surprisingly out of stock everywhere! Will there be more stock on the way in time for Santa to deliver, for those of us who didn't get the news in time to sweep the shelves at our local newsagents :-) ?

ColinD says: 26th Nov 2015 at 1:15 pm

Nice.

I remember the interview with Ebon in which he mentioned the boss of Google challenging the Foundation to get as close to free as possible.

I'm seriously impressed. Packing the 40-pin GPIO onto the board is a genius decision as it enables people to learn and play with both s/w and h/w at a higher risk : reward ratio. There are some things I won't try with my current Pi's as frying a £20-£30 board gets expensive if you do it a dozen times. Fry a $/£5(ish with VAT) board and you can just get another.

One thought, taking the above into consideration: it would be great to see a multi-board bundle on sale. If you could sell, say 10 of them in a blister-pack for, say $40 USD then you've dropped the price a further dollar and the scenario I outline above starts to become achievable at the class-level rather than just the individual.

A second thought: to get that price down below $5 per board have you thought about sponsorship, open to individuals and small businesses?

So what am I going to do with mine… well, I've been toying with building a decent cluster to learn about parallel computing, but at ~£20 per A+ as a minimum anything larger than ~5 units starts to chew through real money. At £5ish per board + a few squid for a USB NIC I can go nuts.

Very nice, even. Maximum Kudos points today to you.

V. Coelho says: 26th Nov 2015 at 1:17 pm

That's really cool, but I think this has the same problem of the previous Raspberrys, which it's not its price, but the availbility in other countries than US or UK. Here in Brazil,

Probably the Rasp Zero will cost the price that it oughta be the price of the 35$ Raspeberry here.

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greg says: 26th Nov 2015 at 1:30 pm

Doesn't Brazil have insane import taxes, like some other southern American countries? A friend once told me even standard PC hardware is prohibitively expensive there.

I know it doesn't help you, but in most of Europe, the Raspberry Pi seems to be available with good pricing. For instance, I can get a Raspberry Pi for 38 EUR here in Germany. Which is basically 35 USD converted to EUR with the sales tax (19%) on top.

I guess the only solution for Brazil and some other countries would be to produce Raspberry Pis locally under license, or something like that.

Fabio Buda says: 26th Nov 2015 at 1:19 pm

Great work guys, you are bringing micro-information-technology light years ahead ;)

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greg says: 26th Nov 2015 at 1:20 pm

What are the pads on the bottom of the board connected to? Can we get a detailed pinout? It would be great to have e.g. USB available on those pads, to save the bulky and costly USB-OTG adapter.

Eliane says: 26th Nov 2015 at 1:22 pm

Congratulations. It is great news, well done to all the Raspberry Pi team

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Samuel Emmanuel says: 26th Nov 2015 at 1:27 pm

Hello! Can We Use Kali Linux On Raspberry Pi Zero?

HeecheeBre says: 26th Nov 2015 at 1:28 pm

InGermany just Pi Zero board – 9.90€ + P&P :(
that's just to far off 5$, you can buy 2 for the same money…

https://www.rasppishop.de/Raspberry-Pi-Zero-MiniPC-Platine

Richard Spitz says: 26th Nov 2015 at 1:29 pm

Not wanting to rain on your parade, but let's do a realistic calculation:
To be of any real use for "education", you have to be able to connect monitor, keyboard, mouse and network. So you have to add a USB hub, an ethernet USB dongle and a HDMI-to-MicroHDMI adapter to the base $5. How much is a Pi B+ these days that has all these onboard?

HeecheeBre says: 26th Nov 2015 at 1:29 pm

InGermany price is 9.90€
you can buy there 2 for the same price :(

https://www.rasppishop.de/Raspberry-Pi-Zero-MiniPC-Platine

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greg says: 26th Nov 2015 at 1:43 pm

It's early days. Many merchants want to make some extra buck with these bundles and/or inflated prices. The prices will certainly stabilize and lower over time. It wasn't

about like 6-7 EURs.

Paul Johnson says: 26th Nov 2015 at 1:34 pm

Congratulations. You are changing the world. You must be very proud.

NIck says: 26th Nov 2015 at 1:34 pm

$5? Try telling Element14 that! (more like $15) – and they don't have any.
Can't get a copy of MagPi anywhere, either.

Lovely idea, never mind – reminds of the hype over the original Pi introduction….

> **James Hughes** says: 26th Nov 2015 at 2:16 pm
>
> So, 100k sold already? Hype? Not really. Just a good product at a good price, selling well.

The PiSL guy says: 26th Nov 2015 at 1:37 pm

Guys, pi zeros are available at https://www.pi-supply.com
You'll be able to buy one if you are lucky! :P

Gavin Williams says: 26th Nov 2015 at 1:38 pm

Just picked up The MagPi at lunchtime. the Zero is STUNNINGLY small!

For those interested in retro handheld gaming conversions, tablets etc (like me) – this is THE form factor to use!

I just can't get over it :-D

Just Another Retro Gamer / daSilva_UK

Alessandro says: 26th Nov 2015 at 1:45 pm

Thanks to fill my days with a lot of funny!!
A new raspberry, can change the humor of the day!

Peter Meyer says: 26th Nov 2015 at 1:53 pm

Well done!! Congratulations!

Peter

jihed says: 26th Nov 2015 at 1:59 pm

really nice !!

Brian Williams says: 26th Nov 2015 at 2:02 pm

NBif you are going to buy more than one set of connectors from the swag shop, buy them one at a time. It appears that shipping for one is £1, but shipping for two is £3 !

Probably Royal Mail insanity, who knows.

Phil Lewis says: 26th Nov 2015 at 2:02 pm

I keep trying to download issue 40 and it keeps saying the file is damaged. Is the model zero getting caught in the internet?

Liz Upton says: 26th Nov 2015 at 2:05 pm

The MagPi subsite doesn't have quite as much in the way of optimisation as this site does, so it's struggling a bit today under all the traffic. Try again later!

Pete Stevens says: 26th Nov 2015 at 2:16 pm

Try again now – we should be back on stable instead of struggling. Todays code has been a victory for pragmatism and speed over beauty and quality.

Fredy Caballero says: 26th Nov 2015 at 2:08 pm

Itwould be nice to have a version with built-in WiFi for $1 or $2 more, I would be fine and would be ready device IoT. looks great

HRISHIKESH BHANDARI says: 26th Nov 2015 at 2:11 pm

This is a good version for a kid like me who use whole the pocket money to buy stuff like the raspberry pi and arduino and also its accessories

bluecar1 says: 26th Nov 2015 at 2:12 pm

great new toy, free mag or free PiZero depending which way you look at it just looked on fleabay micro hdmi adapter for $0.99

local tesco sold out, 1st smiths sold out, 2nd smiths got last two for myself and son in law

i assume this has come out of the development of the compute module looking at the form factor and minimal IO, a Pi2Zero would be awesome as you really could use it for embedded systems running win10 IoT

Dale says: 26th Nov 2015 at 2:44 pm

Are there any power consumption specs on these yet?

Looks like the perfect little unit for doing weather station stuff and almost keep in your pocket, be nice to know how much juice it'll drink when out in the field.

good work Pipeeps :)

Anton says: 26th Nov 2015 at 7:07 pm

According to https://www.youtube.com/watch?v=NFFQmdUc5Vg it draws 160mA when running (at 100% CPU?) and 80mA while idling.

John says: 26th Nov 2015 at 2:51 pm

How many GB of storage does it have? Or is that a separate component?

Dale says: 26th Nov 2015 at 3:34 pm

Its the same as a Raspberry Pi model A in effect, but more stripped down. So no integrated storage but a microSD card slot.

The thing is 5$/£4 its shocking it can be rolled out at this price to be honest!

I just cleared out three magazines from my local WHSmith.
Two opened are dead. Nothing. No I'm not stupid. They are dead, and now trying the
third? It's dead too. No led comes on, no load on the psu – as it's led keeps glowing
when unplugged form the AC. I have about 5 old pi's used happily for things around the
house, so I'm no noob to this.

That's pretty bad. How do I return these, with their receipts
and the magazines of course. This is a let down.

thanks… I guess.
Anyone else receive dead units on magazines?

Setup: HDMI monitor, and 5V in, no other devices attached.

bluecar1 says: 26th Nov 2015 at 3:15 pm

silly question you have put a prepared microSD card in the slot?, nothing happens else
as there will be no operating system to load and drive the lights

Jason says: 26th Nov 2015 at 3:33 pm

Fair question, but the part about familarity with PI's should be a clue. It's got a late new
SanDisk class 10 8gb chip in it, and switching the psu + 'chip' to another normal Pi, the
activity led blinks, then comes on. And given the distro pointed to in the magazine is the
same for all of these class (same soc) of machines, I'm kinda resigned to this. But, if
there's some new binaries in the boot partition that have been included in the later
images to support these, it would be nice of there was some documentation to indicate
such. So far? nothing.

Gordon Hollingworth says: 26th Nov 2015 at 3:50 pm

You need to update your firmware / OS if you haven't in the last few days.

sudo apt-get update
sudo apt-get upgrade

Helen Lynn says: 26th Nov 2015 at 3:41 pm

The top couple of things we'd suggest are to double-check that you're connecting power
to the correct micro-USB port, and to try with one of the known-good power supplies
from your other Raspberry Pis, if you haven't already.

Beyond that, your best bet is the Troubleshooting section of our forums:
https://www.raspberrypi.org/forums/viewforum.php?f=28. All of these are tested before
they leave the factory, and any boards that don't pass are not released.

Jason says: 26th Nov 2015 at 4:11 pm

Well it's nothing to do with apt-get update if it's not booting. But I must apologise, and
issue a humble thanks to Helen Lynn for her time in replying. It was bluecar1's comment
reminding me that the activity led is soft, not a power + activity led; Loading on a stock
distro, it boots. I have been using the minibian distribution for ages, and of course, it's
not got the additional files in the first partition the official distros have (from ras pi
found.) to support this particular SOC device! bahhh. I'm a hasty fool. I should have
"RTF(kin)M" first. Thank you for the replies. Now to pack the other two back up for gifts.
Ulp.
So much for my 'experienced' bit!

André Claudino says: 26th Nov 2015 at 2:53 pm

I would like yo have the Raspberry Pi Zero Schematics. Where can I Find it?

Not available. However, the GPIO pinout is the same as the B2.

babyphish says: 26th Nov 2015 at 2:58 pm

you guys are awesome. I hope to see this appear in the developing countries and combine with the other technologies like free wifi

mobluse says: 26th Nov 2015 at 3:04 pm

I was stunned by the low price.

Does the microUSB-port also work like slave port, e.g. can it emulate an USB-keyboard and mouse like Arduino Leonardo, or HDD and serial-port like Duinomite?

Is it possible to connect analog sound?

Jon Smirl says: 26th Nov 2015 at 3:07 pm

A PI Zero+ should incorporate an Espressif ESP31. ESP31 will add 2.4Ghz wifi and BT4.0/BLE for $1. ESP31 is sampling currently and will be in full production early Q1.

ESP31 is the peripheral version. ESP32 is the standalone SOC version. This is next gen of the ESP8089/ESP8266 chips. http://www.espressif.com

Gordon Hollingworth says: 26th Nov 2015 at 3:47 pm

You forgot add £100K of EMC / Safety testing and another 200K in development time

James Hughes says: 26th Nov 2015 at 5:02 pm

Odd how people always forget that bit.

Jon Smirl says: 26th Nov 2015 at 5:30 pm

You grossly over estimate the cost. FCC/CE certification can be done for $2-3K at Chinese labs. These are legitimate labs and you can look up their license to do certifications at fcc.gov.

The engineering is simple. If you have trouble with it Espressif technical support will probably do it for you.
http://www.cnx-software.com/2015/11/26/esp32-module-schematics-and-board-files/

BTW, I build this kind of stuff so I know what the costs are.

Gordon Hollingworth says: 26th Nov 2015 at 5:51 pm

Yes, CE/FCC certifications for EMC emissions and immunity I would agree are cheap. Although you do get what you pay for if you go to China, I had an FCC accredited lab test a product that I also tested in the UK and the difference was 12dB... It is quite clear that they are just cheating

Jon Smirl says: 26th Nov 2015 at 6:23 pm

You can look up the labs that are authorized here:
https://apps.fcc.gov/oetcf/eas/reports/TestFirmSearch.cfm

If you used a lab on that list that cheated, please report it and their certification will be revoked.

Here is an extremely detailed report on the ESP8266. Over 100 pages of test results.
https://fccid.io/2AC7Z-ESPWROOM02#axzz3ZIq8pH00

Espressif will have the same report for the ESP31/ESP32 in a few weeks. The ESP31/ESP32 adds BT4.0 for about the same price.

I can put you in touch with the CEO of Espressif if you are interested.

Jon Smirl says: 26th Nov 2015 at 5:37 pm

Ifyou question whether this can be done, consider the ESP12 module based on the Espressif ESP8266. Here is the fcc test:
http://fcc.io/2ADUIESP-12

You can buy them here for $2.03 shipped.
http://www.aliexpress.com/item/Free-Shipping-ESP8266-serial-WIFI-model-ESP-12-ESP-12E-ESP12E-Authenticity-Guaranteed-ESP12/32353579773.html

This module can be used with the RaspPi via the UART and AT commands.

Alex Ellis says: 26th Nov 2015 at 3:12 pm

I managed to get one of these at WH Smiths at 9AM – I went back later in the day and apparently the other 5 they had were stolen! Good luck getting one… if you haven't already. Will the Mag Pi December issue be re-stocked??

Liz Upton says: 26th Nov 2015 at 3:32 pm

Ugh – that's unpleasant. I'm glad you managed to get one.

Alex Ellis says: 26th Nov 2015 at 6:56 pm

This is beyond awesome – which I didn't say on my previous comment. Micro USB female connector though – I bet almost nobody has an OTG cable hanging around. I think I'll be doing some soldering tonight to splice a USB extension and a 'phone cable'. I know it's late in the day but hopefully we will see some of these at PI wars too!

Leo White says: 26th Nov 2015 at 9:02 pm

Amusingly enough I had several USB OTG cables and gender changers in the office, but no micro SD cards :(

Got mine at 6:45am and didn't manage to power it up until 12 hours later!

Marc says: 26th Nov 2015 at 3:13 pm

i think i will wait til the price comes down a bit first, i haven't got that kind of money to spend.. oh well, off to the chippy :)

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cpslashm says: 26th Nov 2015 at 3:15 pm

So, develop an embedded Pi project on a Zero with the cable bundle. Remove cables and close the case. Get another Zero and micro SD copy. I can see this making a dent in Computing Module sales…

Abraham.IE says: 26th Nov 2015 at 3:16 pm

InMexico available for $35 in newwark pff :/ here developers have really bad luck talking about tecnology

How can I buy it? I live in Vietnam

Shea Silverman says: 26th Nov 2015 at 3:22 pm

Amazing! Eben, Liz, and the rest of the Raspberry Pi foundation, you rock! Keep up the great work.

Chris Bruner says: 26th Nov 2015 at 3:27 pm

This $5 computer is over $30 in Canada. Quite the markup. Suddenly not so interested.

Dutch_Master says: 26th Nov 2015 at 3:47 pm

Just 25 bucks to ship it half-way round the world? That's a bargain! Earlier this year I purchased something from the US: shipping was more then the value of the order!

A Chap says: 26th Nov 2015 at 5:35 pm

Ohboo hoo. It just came out today. Ya'll are funny to watch, I have to restrain my own urge to sign up for the magazine just to get one perhaps three weeks from now. Sit tight, it's the same day it came out for the love of all that is nerdy.

Jim says: 26th Nov 2015 at 3:27 pm

RPI, What were you thinking when you made this ?
What a disappointment…
No emmc, No access to USB through i/o pins. HDMI, Really? what would be the point to have HDMI on something like this.
All you had to do is lop off the micro power and USB connectors add more 0.1″ headers to get access to them. Remove the HDMI and SD card slot, and replace them with eMMC. Then you would really have something good here.

James Hughes says: 26th Nov 2015 at 4:59 pm

They were thinking – education. Which needs HDMI.

Evlo says: 26th Nov 2015 at 3:29 pm

Does libcec work with it?

Gordon Hollingworth says: 26th Nov 2015 at 3:45 pm

Yes, as with any version of the Raspberry Pi

Blaise Kal says: 26th Nov 2015 at 3:32 pm

Can this Raspberry Pi Zero safely be overclocked 20% or more, similar to the Raspberry B+?

Gordon Hollingworth says: 26th Nov 2015 at 3:45 pm

The overclock on the Zero isn't going to go much above 1GHz, they've already been bled dry!

Gordon

I'm speechless…and in awe at what you've accomplished.
As a teen my first computer was also a BBC micro. That was the last computer really experimented with (e.g. using the A-D port to add a device that measured the fraction of a second times of old mechanical camera shutters, learning assembler and a little statistics in the process – yes it was a long time ago!).

30 years on, now with kids, you've given me the inspiration to get a Pi and see if they love computing as much as I did….maybe it'll rekindle my interest.

Kudos…amazing work folks.

Alex says: 26th Nov 2015 at 3:47 pm

A bit disappointed in the use of mini-HDMI instead of Micro-HDMI. Micro-HDMI cables are common due to their use in smartphones and cameras now. Mini-HDMI is far more uncommon.

Computer itself is cheap, but by offsetting the cost to required accessories…

mobluse says: 26th Nov 2015 at 9:16 pm

I agree that microHDMI-adapters are more common, and I don't see the advantage of miniHDMI, but maybe there is some.

ednl says: 27th Nov 2015 at 12:03 pm

Agreed. I bet it was a cost decision like everything else at this *amazing* price, but still disappointed I can't reuse my camera & phone micro-hdmi cable.

saole says: 17th Dec 2015 at 1:56 pm

I'm curious why they prefer miniHDMI to microHDMI.
The latter is more common and smaller.
It seems there is no reason to choose the former now.

James Bowen says: 26th Nov 2015 at 3:53 pm

Very excited about this guys!

Dan Kaminsky says: 26th Nov 2015 at 3:56 pm

Heh, this is great! Could you post the BOM by any chance?

David Ferguson says: 26th Nov 2015 at 3:59 pm

Can someone tell me the board version from /proc/cpuinfo for the Pi Zero?

Zoltan says: 26th Nov 2015 at 4:04 pm

Congratulations for this achievement!

I can see that people are really excited.. My RPi applications would require a little bit different downsizing: I could happily live without video and even usb ports, but would badly need the Ethernet connection for IoT applications. Do you entertain such idea anytime in the near future?

I saw the comments on Ethernet before me: I would not like to use a USB Ethernet adaptor. I am using model Bs at the moment, as it was suggested by others. But if we take IoT seriously perhaps this networked low cost version would also make sense.. Even if it is not $5 but $8-10…

Pretty sure on the normal Pi, the Ethernet is actually part of the USB bus, in the same way that on the model A you just have 1 usb port that goes directly to chip, but all B models the USB out from the main chip goes to effectively a Hub, giving you 2/4 ports and the Ethernet. Also the ethernet port would make it alot taller.

I'm not sure the Zero is primarily aimed at IOT, but theres a need for a Pi thats smaller to stick in other things like weather stations, off grid data loggers etc, which I think this makes it perfect for!

Zoltan says: 26th Nov 2015 at 5:27 pm

You are right Dale: the Ethernet controller is sitting on the USB bus (at least I checked the Rpi A rev 2 schematics: the LAN9512 is indeed a USB hub and an Ethernet controller). Anyways I guess if I need to attach an external USB Ethernet adapter, then I am better off using the model B, which is so far the best for my applications.

Might get a Zero though if my village Sainsbury's has got the MagPi :)

Chris says: 26th Nov 2015 at 4:04 pm

WOW, I was just about to sign up for a subscription to the printed version, but it is already sold out!

Helen Lynn says: 26th Nov 2015 at 4:08 pm

All is not lost! We're awaiting new stock, so either join The MagPi's mailing list at magpi.cc (sign-up box in the sidebar and the footer) or call our subs hotline (find numbers at https://www.raspberrypi.org/magpi/subscribe/) and leave your details.

Ioannis says: 26th Nov 2015 at 4:08 pm H
                                                                                        i
,

Maybe it would be good idea to have the OTG usb size bigger, just to simple plug the 3G sticks. But, also with the piggy cable it is fine. On my opinion you are perfect !!!
Warmest Regards
Ioannis
http://www.pimodules.com

Eric says: 26th Nov 2015 at 4:09 pm

Isit possible to purchase The MagPi from the United States?

Ben Nuttall says: 26th Nov 2015 at 4:17 pm

Itwill arrive in Barnes & Noble in a few weeks.

Liz Upton says: 26th Nov 2015 at 4:22 pm

Weprint in the UK and freight via ocean, so it usually hits newsstands about 3 weeks after the UK publication date. Barnes and Noble and Microcenter carry it.

Francisco Calderon says: 26th Nov 2015 at 4:19 pm

Congratulations this is a very important achievement, I live in Colombia, and use the raspberry as a very important tool in teaching.

Thank you for make the difference!!!

I sort of welled up with tears. A computer free on a magazine. It's blown my mind, a $5(USD) Linux computer is astonishing, I can't wait to get hold of SOME!!

I hope the Queen is being advised to give out some honours for services to the computer industry, because you lot are amazing!

Cody Erekson says: 26th Nov 2015 at 4:28 pm

What a thing to wake up to! Happy Thanksgiving indeed!
You guys keep doing it, amazing and impressing. Can't wait to get my hands on one (or ten) of these little beauties!

Meae Flowright says: 26th Nov 2015 at 4:36 pm

Does this have a hardware RNG in it, or would I need to add one?

> **Liz Upton** says: 26th Nov 2015 at 4:47 pm
>
> Yes, it does.
>
> > **Meae Flowright** says: 26th Nov 2015 at 4:56 pm
> >
> > Well, that pushed me from admiring to buying. Thanks for all the hard work!

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steve says: 26th Nov 2015 at 4:38 pm

Will be (hopefully) snapping one of these up very soon!

I'm a 30 year old who has never done a day of coding or computer jiggery-pokery in my life (save from switching up components in pc's and printers) so learning all about the Pi will be wonderful, really excited for this! Thank you to the Foundation and MagPi!!!!

Maio says: 26th Nov 2015 at 4:44 pm

Hello. First of all, this is pretty amazing! :D

Now, I was thinking of subscribing for a year of the MagPI Magazine. But the issue #40 is Sold Out and if I want a subscription it will only start at issue #41. But I'm a little affraid that there'll be a restock of the issue #40 with a PiZero.

Are you thinking about restocking the issue #40 or do you know if there'll be another surprise on issues after this one?

Thank you.
Maio

> **Liz Upton** says: 26th Nov 2015 at 4:46 pm
>
> We'll be restocking next week. If you sign up to the newsletter on the MagPi site, you'll get a mail telling you when it's available.
>
> > **Maio** says: 26th Nov 2015 at 4:54 pm
> >
> > Thank you very much. I'll keep an eye on it.
> >
> > But this is only for buying the single magazine right? New subscriptions don't count?
> >
> > Thank you once more.

Yes, **new subs do count**. You can select which issue you get as your first when you subscribe – but hold off until the newsletter tells you issue 40 is back in stock!

Maio says: 26th Nov 2015 at 5:13 pm

Thank you very much. :D

Nathan says: 26th Nov 2015 at 4:45 pm

When I subsribe now on the webiste with the 6 Months EU options, will I still get the PI zero? It says the subscription starts with #41

SimonFD says: 26th Nov 2015 at 4:47 pm

Ridiculously excited about this! So much so that I immediately rang WH Smith for them to put a copy of Mag Pi #40 to one side (which they did – thanks Colwyn Bay WHS!!).
I got two in the end but was careful not to take them all :)
One I'll keep in the wrapper to commemorate it's world-first-computer-free-with-a-mag credentials.
Well done to the Foundation and huge thanks :)

ycr says: 26th Nov 2015 at 4:53 pm

you rocks!!!1

Midhun VP says: 26th Nov 2015 at 4:55 pm

Awesome news!

rose coll says: 26th Nov 2015 at 5:03 pm

Great – but all sold out everywhere already. When will you restock?

Michael says: 26th Nov 2015 at 5:05 pm

Hi, this is at least as astonishing as the Pi 2 with in each case the need to check it isn't April 1st!
In the Magpi there is mention of a 3D-printed case for the Zero but the link doesn't seem to work – magpi.cc doesn't seem to exist any more – so maybe you could post a working version?
Thanks

Liz Upton says: 26th Nov 2015 at 5:08 pm

It's suffering from the HUGE amount of traffic (the MagPi sites aren't as optimised as this one is – we're seeing more than 10,000 of you load this blog at once at the moment, but a lot of work goes into keeping things running under load). Pop back tomorrow; it'll likely be working then.

Michael says: 26th Nov 2015 at 5:13 pm

Thanks Liz
It's very nostalgic to see the level of activity on the blog again after having gone a bit quiet in recent months.

Not sure if this is the one cited in the MagPi, as the upload is only 5 hours old, but there is a case designed by someone at Adafruit on Thingiverse (not yet an official Adafruit upload though…)

http://www.thingiverse.com/thing:1157198

I suspect I won't be the only one printing that this evening!

Ed Harding says: 26th Nov 2015 at 6:07 pm

…and for completeness, the design mentioned in the MagPi is here:

https://github.com/topshed/MagPiCase

Lee says: 26th Nov 2015 at 5:08 pm

Benice if I could find somewhere that has stock of any case for the Zero, managed to grab my Zero from WHS with The MagPI but now everywhere is sold out of cases!

Liz Upton says: 26th Nov 2015 at 5:11 pm

I'm guessing you already tried Pimoroni (who have a super-cute case). Hold on for a little bit – it's only come out today, so a lot of the case designers are working on something right now.

Lee says: 26th Nov 2015 at 5:17 pm

Yes Pimoroni had the Pibow case in stock earlier but I didn't want to order it and then have it sat there with no Zero for it, pity because it looks pretty good and I feel I'm now going to be looking at my Zero in a lesser light until I get the Pibow for it.

Paul Versteeg says: 26th Nov 2015 at 5:09 pm

Ten years from now, you will probably remember, or will be allerted to, this particular date (26-11-2015) because of the paradigm shift in computing, or education, or hobby markets. Another term would be a game-changer event, literally. So remember were you were when you read about a $5 computer, or you lucky basterds, where you got your first. Make a note, you may get asked!

chall3ng3r says: 26th Nov 2015 at 5:15 pm

Pretty good, the amount of RAM and and ability to run linux with display makes it really nice.

Unfortunately, there's no communication module :/. maybe they upped couple of bucks in price and added a WiFi chip like ESP8266 on same board. This is really a missed opportunity here, almost perfect.

Akshay Kumar says: 26th Nov 2015 at 5:29 pm

Please add on board Wi-fi also on it to make it just awsum!

me says: 26th Nov 2015 at 5:31 pm

When will there be stock available for UK? Is another batch coming?

hello i was wondering will you still be able to emulate games up 16 or 32bit graphics with playable speeds?

Paul says:　　　　　　　　　　　　26th Nov 2015 at 5:36 pm

Please please make this available in India soon for the same price…

Fahad Uddin says:　　　　　　　　26th Nov 2015 at 5:38 pm

How can I get them in Pakistan?

David Esquivel says:　　　　　　　26th Nov 2015 at 5:39 pm

I can't find any site where the price is $5, on Adafruit's site is $59, but iit's a mega pack i don't want.

in pi-supply is only £10 (like $16 USD). Where can i find it at, let's say, $10?

Thanks

Tom Stratton says:　　　　　　　　26th Nov 2015 at 5:41 pm

Seems sad that the £4 / $5 dollar computer can't be bought in the UK for this amount. Seems to be priced between £10 and £18 (with various included items).

Why is this??

Liz Upton says:　　　　　　　　　　26th Nov 2015 at 5:44 pm

Itcan – Pi Hut, our Swag Store, Pimoroni, Pi Supply are all doing (they're currently sold out but should be restocking some time next week) – I think some other outlets will bring the price in line as things calm down. It's been a hell of a day.

rose coll says:　　　　　　　　　　26th Nov 2015 at 5:42 pm

Liz when will you be stocking at the online stores in the UK please? Everywhere sold out.

Liz Upton says:　　　　　　　　　　26th Nov 2015 at 5:43 pm

Should be within the next week or so, all being well.

gabriel says:　　　　　　　　　　　26th Nov 2015 at 5:48 pm

The "5" dollars computer costs on element14 about 17 euros (about 20 usd I think). So… Who is misleading who? In Romania five dollars are about 20, maybe 25 lei! Farnell element14 charges 75 lei fpr one raspberry pi zero! This is three times the price!

Szymon Życiński says:　　　　　　26th Nov 2015 at 6:26 pm

InPoland Farnell wants 12 pounds …. Hope Pi Hut will send my order as it was made before 11AM… If i would have to buy it in PL it will be expensive while in Farnell only companies can buy, so soon some "wise" guys will sell them on auctions for 20 pounds. Easy money make people don't care about open hardware and software ideas and rules.

stan says:　　　　　　　　　　　　26th Nov 2015 at 6:41 pm

You can thank Europe for all that taxation.

Mihai Nimenescu says:　　　　　　30th Dec 2015 at 3:41 pm

5$= 20.75 lei
+ 22% TVA (4.56 lei)
Total = 25.31 lei
In Romania it can be sale with 45.00 Lei by Robofun but Element14 offers exclusivity to
3 stores. Because of that they can sell at whatever price they want.

George Hayes says:　　　　　　26th Nov 2015 at 6:00 pm

Itseems every place selling the PI zero wants to force its customers to buy more than
just it. I would love to see a place that sells it alone. They keep turning your so called $5
computer into $27 or more.

Francis Courchesne says:　　　　　26th Nov 2015 at 6:02 pm

30.54$ CAD (equiv of 22.98$ USD) from Newark (Element 14) …
http://canada.newark.com/raspberry-pi/raspberrypi-zero/sbc-raspberry-pi-
zero/dp/72Y0487?
ost=raspberry+pi+zero&selectedCategoryId=&categoryName=All+Categories&category
NameResp=All+Categories

So far from the 5$!

Hmmm says:　　　　　　26th Nov 2015 at 6:04 pm

Why do you permit element14 to sell it only bundled with overpriced cables when your
main goal is to make a cheap computer that is accessible to all?

Letting people know they need certain cables to use it is fine, but allowing your
distributors to profit from overpriced cables is not.

sam says:　　　　　　26th Nov 2015 at 6:06 pm

Isit able to play android???

Nick says:　　　　　　26th Nov 2015 at 6:08 pm

Very cool to see a new cheaper version of the Raspberry Pi, I've ordered a couple in the
past and will order this new one too. In fact, I wrote about it on my blog:

Most Epic Stuff

Amit says:　　　　　　26th Nov 2015 at 6:12 pm

I want it here in India.

Dark Legacy says:　　　　　26th Nov 2015 at 6:16 pmNi

ce

Szymon Życiński says:　　　　26th Nov 2015 at 6:20 pm

OK. So does rPi zero support USB Back Power like it was in original A and B models?

mahjongg says:　　　　　26th Nov 2015 at 7:01 pmYe

s!

So it is very wise idea to back to this way of powering rPi. One cable less from usb hub ;-)

xalixo says: 26th Nov 2015 at 6:21 pm

People are asking where to get this for under $10. If you are in the UK, make your way to your local tesco (not tesco metro) and they are there for £5.99 with a free MagPi magazine (or vice versa, whatever way you want to look at it). I just bought two copies, one for me and one for a friend. This is amazing and will change the world! Thank you raspberry Pi foundation!

John says: 26th Nov 2015 at 6:22 pm

This is just epic. It will so many applications. Where are the $9 computer guys…

EricL says: 26th Nov 2015 at 6:24 pm

I love this! Now, what I'm still waiting for is a SATA connector on a RPI. Give us that, and you have conquered low cost computing.

Edc says: 26th Nov 2015 at 6:29 pm

Would love to see this with ethernet for a few bucks more.

Liz Upton says: 26th Nov 2015 at 7:06 pm

You can – it's called a Model B+!

D Wills says: 26th Nov 2015 at 6:33 pm

Public Speaking Grade: F

"Um" Grade: YIKES!

Someone at this company should invest in a role of gaffer's tape, or maybe a lip stapler.

xalixo says: 26th Nov 2015 at 6:34 pm

Everyone is asking how to get this at less than $10. If you live in the UK, make your way to your local Tesco (not Tesco Metro) and you can get it for £5.99 with a free MagPi magazine (or vice versa, whatever way you want to look at it.) There were loads of copies still at my local store, the general public still haven't got any idea that there is an actual computer there for £5.99. This will change the world! Thank you Raspberry Pi Foundation!

Dave Hazeldean says: 26th Nov 2015 at 6:42 pm

No whinging from me…I'm SO excited to get my hands on a Pi Zero!

Massive kudos and credit to all those involved for their efforts in bringing this to the world, and a heartfelt thanks for all the joy, pleasure and interest that the Raspberry Pi has brought me so far. Keep up the great work! :)

rats says: 26th Nov 2015 at 7:03 pm

Hell, if Jason Statham recommends it, then I'm buying it!

Congratulations to RaspBerryPi Foundation on this new foundational achievement :)

Only commenting that form factors should be stressed following ISO216 standard. Maybe through double boards.

Why? this will make easy in the future to 'stack' those modules, When multi-computing get a firmer grip.

Meanwhile, we should not let that 'impossible' steps [in the immediate future] disallow us from making 'possible' steps [at the present], on that direction.

Rakesh Tripathi says: 26th Nov 2015 at 7:12 pm

Stunning.

Can I know if there are any authorized resellers of Pi in India and if not, when would you plan to launch in India?

Thanks!

Yasir Tanveer says: 26th Nov 2015 at 7:14 pm

Hello I Want to Purchase raspberry pi zero. I am From Pakistan.
Please Help me How i can Purchase this Item?

John Russell says: 26th Nov 2015 at 7:16 pm

How come there is no place actually selling these for $5 bucks other than walk-ins to the Microcenter which is several hundred miles away?

I don't need a full kit because I already have adapters and power supplies and SD cards .....

Sorry but it feels like a bait and switch to me

> **Liz Upton** says: 26th Nov 2015 at 9:03 pm
>
> Pretty much everywhere that sells it online sold out several hours ago – it's been VERY popular. Please keep an eye out; more stock should be arriving next week.

> **Nic** says: 26th Nov 2015 at 9:28 pm
>
> Doyou also call it bait and switch when you can't buy a new iPhone on the afternoon of the day it is announced?

Napster says: 26th Nov 2015 at 7:27 pm

Big thumbs up from modern third world (Algeria), as always Raspberrypi foundation is the best in cheap computers field, and I expect more in the future from them cause who did a great job will do better than the the last one, so congrats !
UNFORTUNATELY i can't get one in my country!

gay_wrongs_activist says: 26th Nov 2015 at 7:35 pm

This is the most amazing thing for people in the developing world. The original RPi was great, but too expensive. This hits the sweet spot and will be much loved. Just don't hand them all out to people in Europe and America!

Adam says: 26th Nov 2015 at 7:43 pm

Did someone at the Pi foundation buy stock in an adapter company?

Isthat Jony Ives long lost half brother? Great tech but seriously the presentation video could do with some work. Its a bit informal. Fantastic product however you'll need to get element14 to toe the line. They are point blank refusing to sell the item without bundling their junk and bumping up the price therefore making the low cost entirely pointless.

Nepa says: 26th Nov 2015 at 7:55 pm

Where on earth can I buy the MagPi?
I've been to WHSmith and they do not have it on their shelves … would like to get one first thing tommorow morning.

EmilFR says: 26th Nov 2015 at 8:00 pm

Ohwell,, now we need an even cheaper case for this little baby😀😀😀

Archie Roques says: 26th Nov 2015 at 8:02 pm

Wow. £4. This changes everything! I have a recurring compulsion to just order 100 (when the one-per-person limit is lifted) and just put them everywhere. In the lights, in the oven, in the stereo….

The one issue I have is the camera and display ports, but I can see why that compromise has been made. Will there be a GPIO-driven adapter for the RPi Display (it's theoretically possible), or camera? This would mean that it could be used for an easy drone camera, which it would be ideal for as it's so small.

Jonno Fowler says: 26th Nov 2015 at 8:24 pm

Fantastic work RPi! … legendary foresight ;-)

k0nsl says: 26th Nov 2015 at 8:29 pm

Everywhere I looked it's consistently out of stock, so it must be selling quite well!

I will get one as soon as my store of choice re-stocks it.

Best wishes,
-k0nsl

Chris A says: 26th Nov 2015 at 8:41 pm

Quick question, does the Pi Zero SoC use a die shrink at all?

Just wondering where the power savings and performance improvements are coming from.

Craig Lockwood says: 26th Nov 2015 at 9:01 pm

Got mine and am in awe.

I wrote about it here: http://www.craiglockwood.co.uk/blog/we-have-come-a-long-way-baby

I wonder Liz Upton, I also run the http://www.madein.wales site, I would love to come to the factory for a look around so i can feature the Pi Zero on the site – could this happen?

Liz Upton says: 26th Nov 2015 at 9:43 pm

Drop me an email: liz (at) raspberrypi.org

WOW – can NOT believe that you guys have managed to do it AGAIN. £4 for a computer
– it's insane.
Was lucky enough to snag one from Pimoroni at 8:05am, £4 + £2.50 P&P. Hopefully be
here tomorrow :-D

Massive THUMBS UP & CONGRATULATIONS !!

Don isenstadt says: 26th Nov 2015 at 9:16 pm

How many of the pi0s did you make? Whatever the number Not enough!
Use all 8 lines @ SONY.
Going to print the 3D case from the
Magpi while waiting. Great projects in the magpi #40..GREAT WORK.

Leo says: 26th Nov 2015 at 9:23 pm

So, obviously I want twenty, but how do you get network on those things? Will the wifi
dongle work?

I don't think the glib "Just buy a B+" answer works.

First, if you find a retailer in France that'll sell a B+ without gouging you on shipping or
restocking fees, I will buy you it and a couple beers.

Second, after including the price of accessories, a B+ or 2B is a serious investment,
good for a main pi. The zero is the reason I now think in terms of "main" and not "only".

Peter C says: 26th Nov 2015 at 9:24 pm

Eben

Have you realised that the Postage Cost will probably be More than the Pi Zero itself :)

Rv says: 26th Nov 2015 at 9:24 pm

Fyi în Romania costs $25 at local seller – not the bundle, not the kit. Just the SBC. I was
onestly expecting be more than $5 because of the shipping costs and profit of the seller.
But not 5x the original price. Hope to see it cheaper soon.

Nic says: 26th Nov 2015 at 9:25 pm

Why does the Foundation keep releasing new stuff, but we never hear any news about
the official display. This is all cool and I can understand the enthusiasm but really, will
the display remain a rumour forever? It is too bad, I can't wait and I am just going to have
to buy someone else's product.

Liz Upton says: 26th Nov 2015 at 9:42 pm

Wereleased it three months ago! https://www.raspberrypi.org/blog/the-eagerly-awaited-
raspberry-pi-display/

Nic says: 27th Nov 2015 at 6:58 am

Sorry Liz! Your comment formatting threw away my sarcasm disclaimer.

Elfen says: 26th Nov 2015 at 10:23 pm

This is like – "WOW!!!"

Great work guys! Can't wait for this to reach the states in a couple of weeks!

For anyone who's missed out on the magpi with free pi, ebay has one for £49 and one for £99, free delivery so it must be a bargain lol. I haven't posted a link but I'm sure you can find them.

Hans Lepoeter says: 26th Nov 2015 at 10:36 pm

That's fantastic.

Farnell lists the board at 17 euro. That's more than fair i think if you can easily aford one. However i hope that it is available for the 5 usd in the less developed part of the world.

It would be great to have a very cheap display as well. Thats hard i guess.

ValentinJesse says: 27th Nov 2015 at 3:35 am

Inthe less developed countries, where the salaries are 10 times lower, the price for a pi is usually up to 2-3x more expensive. Life is unfair.

Hans Lepoeter says: 28th Nov 2015 at 8:11 pm

thnx for the comment. That's horrible. What good is 5 usd if the ones for which it would make a difference can't buy one …….

Tzj says: 26th Nov 2015 at 10:47 pm

Shame i got up so bloody late but i accept my fate. At least i only have to wait around a week before i get another chance!

Anywhoo… glad to see a spare change pi on sale, cant wait to get my hands on one!…

And once more distributors (there needs to be more, lots more!) sell the board at at least close to the £4 price point… a million would be sold in no time… a billion? Maybe.

Brian Haynes says: 26th Nov 2015 at 11:05 pm

Today's MagPi launch clearly created the desired frenzy, shame that there wasn't sufficient supplies to meet demand. Not sure that they actually made it onto the shelves in my local store! Popped over to Coventry to try and get one; where my daughter and I were nearly knocked to the floor by some rude guy barging in to snatch the last one from infront of us.
Poor planning and bad business to create a demand and then not have enough product to service it.

Jon B. Iliscupidez says: 26th Nov 2015 at 11:18 pm

Awesome, but I wish it would have a Wifi or LAN connection.

Luke Wren says: 26th Nov 2015 at 11:31 pm

How on earth is it running faster than a Pi 1 with the decoupling on the wrong side? Did you short the core voltage to 3v3??

Gordon Hollingworth says: 27th Nov 2015 at 9:15 am

Turns out you can get away with it (and by a considerable margin!)

It's awesome!

tzj says: 27th Nov 2015 at 6:58 pm

Jacoby Yarrow says:　　　26th Nov 2015 at 11:36 pm

What about a Pi Camera slot?

Semaf Electronics says:　　　26th Nov 2015 at 11:43 pm

Hey Liz,

Why are the Stores limited to UK and USA? We in middle Europe (Vienna, Austria) would like to offer Raspberry Pi Zero to our Region.

Buying Raspberry Pi from Farnell or RS-Components is another challenge.

Would be happy for a reply. Cheers

Liz Upton says:　　　26th Nov 2015 at 11:44 pm

Limited stock to begin with (as always) – we had a few tens of thousands, which didn't go far. You should be able to get them via Farnell/RS when things have calmed down a little.

Semaf Electronics says:　　　26th Nov 2015 at 11:55 pm

Thanks a lot for your reply. But if we look at the Price of Farnell (€ 12,80 excl. Tax) or RS, than we get the Question why in UK or USA (Pimoroni, Adafruit) is $5 ?

Really to say I am asking the Question to why we are paying 157% more (excl. Tax) than UK Retail.

It would be a honor for us to be listed as preferred Store Raspberry Products like Pimoroni or Adafruit in Vienna.

charlie brown says:　　　26th Nov 2015 at 11:52 pm

isit the drugs or his voice has several volumes, i feel confused

Liz Upton says:　　　26th Nov 2015 at 11:55 pm

Lousy recording equipment, I'm afraid. We're sourcing some new stuff for next year.

k0nsl says:　　　27th Nov 2015 at 1:27 am

That man speaks in such a manner, particularly "lengthier" sentences.

-k0nsl

Adam says:　　　26th Nov 2015 at 11:55 pm

Well I wanted issue 40 so I tried to buy it – sold out. And scumbags on eBay are trying to sell it for around 10 times the cover price of course – you should reprint and pull the rug out from under them, hope they bought many copies!

So I subscribed. Adding the cable bundle for subscribers made this an easy choice. Well done. I was hoping for built-in WiFi/Bluetooth but it will do.

Brian Haynes says:　　　27th Nov 2015 at 12:01 am

The release of the Magpi seems to have induced the desired frenzy; shame there wasn't a sufficient supply of the magazines. Not sure if they even reached the shelves in my local store!. Popped over to Coventry where my daughter and I were nearly knocked to the floor by a rude fellow barging through to snatch the last copy from infront of us.

Pete Stevens says: 27th Nov 2015 at 12:25 am

You can order a Zero with a subscription from the Magpi site.

Predicting the future is still difficult. The Pi Zero was a very tightly guarded secret until this morning at 7am.

Brian Haynes says: 27th Nov 2015 at 1:15 am

Learning from the past is always good starting point for trying to predict the future… ie the original Pi release, the B+, the Pi2…is anyone really suprised by the popularity and demand for this magpi issue? Even selfish people helping themselves to an armfull of copies shouldn't be that much of a surprise.
I can predict that there will be a lot disappointed Pi supporters out there.
Happy Christmas.

James Hughes says: 27th Nov 2015 at 11:25 am

AIUI there were over 100k made – all gone already. There are financial limits to how many you can print and make up front.

As Pete above says – the future is still proving difficult to predict.

John Matlock says: 1st Dec 2015 at 6:18 pm

No, the future is easy to predict.

It's being right that's hard.

JM

Brian Haynes says: 27th Nov 2015 at 12:02 pm

and just incase it isn't obvious; those disappointed Pi supporters aren't going to be the old blokes who could nip straight down to the supermarket and drive off with a boot full. They will be the young people teased into tuning-in to Eben's announcement just before going to school. Then having waited excitedly all day, finding that all the shops have been cleaned out.
You don't often get more than one chance to make a first impression but sadly the hype to product availability ratio has been poor with each Pi launch."Those who do not learn from the past are doomed to repeat it" (Santayana).
Merry Christmas.

Billy Ebullient says: 27th Nov 2015 at 1:58 pm

I agree! I myself was brushed aside with some potency in Lidl this morning by a posse of feral old blokes who on a frenzied amble to clear the shelves of cheap mince pies. They thought they were RASPBERRY Pi(e)s Zeros like off the telly and were going mental for them! I was left clutching a packet of crushed Custard Creams. Which I don't even like. Releasing your so called "Pi Zero" on pension day didn't help and all the schoolkids had spent their dinner money on gobstoppers and drugs by 7am anyway.

Also, even though it was "free" its not "free" becuase it had lots of expensive shiny PAPER attached so you had to pay for it. All so you can get your scam in the Daily Mail and other top newspaper to peddle your scam and get money for a giant turkey with sprouts this Christmas. What would Jesus think on his birthday?!

My friend is a lawyer and says that if you are giving something away for free then you to make sure everyone gets the free thing and that WH Smiths should have had bouncers on the door. Also, have you not learned from the past that people like free stuff? "People like free stuff" – Ghandi.

The solution is easy, why did you not think of this… just make millions of Pis say 70 million and then make the same amount of "magazines". OK, this may have cost your Educational Charity about half a billion dollars (which you will no doubt say you do not

Thanks to you my son's CHRISTmas has been ruined, he's been asking for a "Pi Zero" for months and now I can't even look at his little tear-stained face. Also he can now never become a games designer, I bet you feel really proud now. Next time you make free or cheap stuff make sure you make enough for everyone and not be selfish.

Merry New Year and thanks for nothing (nothing – Pi Zero! Because Zero is nothing! Ha – take that!)

Brian says: 28th Nov 2015 at 8:39 pm

Clearly your understanding here is limited; although you have a least noticed that this is supposed to be an EDUCATIONAL charity. As Rory Cellan-Jones reported and Eben conceded, most Raspberry-Pi have ended up in "the hands of middle-aged hobbyists" rather than boys and girls. When referring to 'old blokes' I wasn't just referring to retired people; this meant anyone who had left school; for example, wage-earners, hobbyists, students, sociopaths and lay-abouts. While this episode has evidently been a sales 'triumph' I don't actually believe that this was the motivating force behind the cover-mount.
Raspberry Pi products are brilliant and the foundation is clearly educationally focused, so I don't think that this was a sales-drive or an attempt to manipulate people into taking out a subscription to the MagPi. I prefer to believe that this was a genuine (if perhaps naive) attempt to put an ultra cheap device into the hands of YOUNG people; overcoming the financial barrier and inspiring them to learn to code. Sadly, smug people like you have chosen to snaffle them up, so out of the total of 10,000 MagPi copies, that Eben said had been printed; how many do you think ended up in the hands of the target audience just before Christmas? Very few, I suspect.
The Pi-Zero board will be available from the usually suppliers, so I sincerely hope that many of these devices do eventually reach the hands of young people and that Scrooge has only a Pyrrhic victory.
I can write this in wax-crayon if that makes it easier for you to understand.
"Merry Christmas and God bless us, everyone" (Tiny Tim).

Billy Ebullient says: 28th Nov 2015 at 9:15 pm

I agree! It's great to know that your defninition of "old blokes" actually means "anyone who has left school" (the meaning has been blurred for some time!) and includes "students, sociopaths and lay-abouts". Even students and lay-abouts need to study after all! Not so sure about socipaths learning computing though – who knows what those crazies will get up to? 'No good' I suspect, who wants antisocial robots hanging around their local Spar and causing a ruckus? Not me!

You make a strong argument with statements such as "Clearly your understanding here is limited", "smug people like you", and "I can write this in wax-crayon". Point taken. Kapow! Ouch! Most people get upset when others make lots of assumptions with no evidence whatsoever and then play the man and not the ball. Not me! You have my full support – and I don't even have a Pi Zero!

Happy Hanukkah!

Brian says: 28th Nov 2015 at 10:30 pm

Blimey – I had no idea that you were supporting me with your amusing stories. I somehow leapt to the conclusion that this was a sarcastic attack from an entirely different camp. I'd better refrain from taking part in the discussion again; lest someone else decides to support me. Thus beaten I leave the arena to you.
"If all misfortunes were laid in one common heap whence everyone must take an equal portion, most people would be contented to take their own and depart" (Socrates).

Billy Ebullient says: 28th Nov 2015 at 11:46 pm

"If all misfortunes were laid in one common heap whence everyone must take an equal portion, most people would be contented to take their own and depart" (Socrates)."

I agree! Well done, here's a rooster!

Someone, please buy one for me and mail it to Brazil. Exchange for something you want here in Brazil.

David says: 27th Nov 2015 at 11:59 am

Sunshine?

ddie says: 27th Nov 2015 at 12:59 am

Awesome news. Just got from an old colleague the link.
I am not financially very fortunate and soon I need to replace my aging netBook. I am again looking into the possibility of using it for my work (I do one2one teaching).
@Liz Upton, @Eben Upton: may I ask if you could get in touch with me by my eMail please? Thank you.

Stephen says: 27th Nov 2015 at 1:31 am

Even in UK, as a CPC accounting holder private customer, they are only listing a "Raspberry Pi Zero And Cables bundle" for £12.648 including V.A.T. (quantity 1-49) order code: SC13974 http://cpc.farnell.com/raspberry-pi/raspberrypi-zero/zerocables-bundle/dp/SC13974 {"awaiting delivery"} but they are not listing the bare unit, which for $5.00 equates to approximately £3.33 – I have asked them what gives, awaiting a response…

(Mind you, they now only do free delivery for web-orders over £5 excluding V.A.T. – was no minimum over Summer months – so I would want to buy a few other things anyhow!)

Rick says: 27th Nov 2015 at 2:50 am

Would love an ARMv7-A version, because some tool-sets are not v6 compatible, like Xojo for RPi. http://developer.xojo.com/raspberry-pi

kyrulamri says: 27th Nov 2015 at 2:57 am

Finally, the one that we can really afford! Tqvm guys!!

apanlin says: 27th Nov 2015 at 3:05 am

how can I buy it, I am in China!!!!!! 😢

Dutch_Master says: 27th Nov 2015 at 1:18 pm

Just wait a week or 2, local factories will be churning them out by the millions :-)

next2u says: 27th Nov 2015 at 3:14 am

Omg!! Great news!! Love you guys!!!
One question only..

In the raspitv it sais :

The Raspberry Pi Zero is a special edition model, so nothing (long-term availability, price stability, feature set or form factor) is guaranteed past the initial production run(s). However, if it's popular enough, it's quite possible that more will be made.

As i can see there is a lot of request for the zero..
I hope that you will make enough for everyone because as many people i missed too the opportunity to buy it..
everywhere is sold out..

I'm not aware of anywhere official stating it's special and limited edition. In fact, you can still buy original* model B boards, should you need that particular form factor (http://uk.farnell.com/raspberry-pi/raspbrry-modb-512m/sbc-raspberry-pi-model-b-512mb/dp/2434669?ost=2434669&selectedCategoryId=).

*okay, it has 512MB of RAM, not 256MB…

JS says: 27th Nov 2015 at 3:20 am

Everything you may want to do with it involves WiFi!

Wifi should have been included it even if it made it more expensive. 99% of the people buying this will have to add a wifi module.

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bluecar1 says: 27th Nov 2015 at 1:23 pm

think who that the main target audience are? education by any chance thinking of the stated aims of the foundation

how many schools would want to pay the extra for having WiFi added that they would not use, but a £4 device they could afford to give that to every student to help teach coding

locally most schools here have a 100-150 young people per year, so for £400-£600 they can give every student in a year one of these

that is how affordable these are for education

keep it up RPi foundation

Delangste says: 27th Nov 2015 at 3:37 am

Defiantly getting one when it's back in stock…

Rajat Sud says: 27th Nov 2015 at 3:59 am

Amazing job Raspberry Foundation. Don't stop here, remove the HDMI connection but give it some network connectivity.

Anand Selvadurai says: 27th Nov 2015 at 4:18 am

Its really great!

M Rafay Shams says: 27th Nov 2015 at 4:47 am

How can I use a camera module with this? Can I connect a webcam via the USB port? will that work?

DRFoltz says: 27th Nov 2015 at 4:55 am

Never fails. Usually around the holidays you guys have something up the sleeve. I think it's great that you are thinking of the budget-conscious programmers out there. And now for $5 anyone can have a slice of Pi in their hands. I probably won't bite on this one though as I've already invested a small fortune in each of the previous iterations of Pi. Plus I don't have much of a need for it right now. I don't really need a new device which I'll only get limited use out of. But for the cost, I might pick one up sometime down the road.

Hopefully those wifi issues with Jessie will be solved by then but who knows. I doubt it. If it could run MATE then that would be top shelf but right now MATE only works on Pi2 and it's been about a year now with no updates so like with everything else, crap in one hand and piss in the other.

This is amazing. But as i feared in Romania where i live this is actually 26$. Not a huge amount but not as good as 5$.

Sanjay says: 27th Nov 2015 at 5:37 am

Incredible! Way to go
Quite a few comments about not having wifi and the price going up if that was added.
I was thinking replace the hdmi with wifi. These could then be running in every electrical socket :-)
wifi routers don't have display port. You can just get by with ssh or a web server to configure.
thanks again,
sanjay

Andres says: 27th Nov 2015 at 6:39 am

Itlooks awesome, but in Mexico they are selling it at $32 dollars without shipping, It's 6 times the actual price!! , people at raspberry worked hard to make an awesome product, and sellers are overpricing it.
I know that for some people 32 dollar is still affordable but believe me for some students here in Mexico it's a big deal.
I think I'll have to wait, thanks to raspberry for supporting students with these products.

David C. says: 27th Nov 2015 at 6:46 am

Gee whiz, looks like I'm going to be adding something new to little electronic universe.

Preenan says: 27th Nov 2015 at 6:53 am

Isit gonna have a WiFi interface card?

rajesh says: 27th Nov 2015 at 6:57 am

When It will be available in India? This is great for doing projects directly in raspiberry pi than any other microcontroller…
I am waiting …

Milliways says: 27th Nov 2015 at 7:27 am

I am just reading the latest MagPi, specifically the "Essential Pi Zer0 tips". This recommends installing avahi-daemon (so far so good) then proceeds to give instructions to set /etc/network/interfaces using dhcp!!!!!! Why???? This is incompatible with the instructions on this site for Configuring WiFi. It will break the WiFi widget in the GUI and disable dhcpcd which provides zero-conf by default, and generally improves the Pi networking setup.

Chester says: 27th Nov 2015 at 7:30 am

WTF! only $5!

Gung Sukma says: 27th Nov 2015 at 7:38 am

I wish Zero B will have a normal size HDMI so I can just connect it to normal monitor.
And may be two/three normal size USBs, to connect normal keyboard/mouse/wifi dongle.
(May be a wifi, too, that I think everyone would like networking)
Then that will be a computer.

They won't add much to the price, will they?

archrivee says: 27th Nov 2015 at 10:51 am

most connectors are oversized anyway. With these becoming mainstream. this will be the new "normal" for cables without adapters in 2 yrs anyway

T.Kabu says: 27th Nov 2015 at 7:54 am H
                                                                                   i
!
It is miracle!
I lost the motivation to develop hardware.
I want this!!

Thank you for always fantastic news. :-)

Bill Stephenson says: 27th Nov 2015 at 8:04 am

Wow. A computer cost less than a 6-pack of crappy American beer, and less than one good beer at a pub. That's just mind boggling.

I know for sure that any kid in US with the gumption to mow lawns, rake leaves, or shovel snow can get one of these on their own and that is truly wonderful!

I'm ordering 5 as soon they're available. Aside from wanting some for myself I want them so I can give them to kids who show an interest in learning. I've already given several away, but I can give lots more away now!!

Thank you all…

Neeraj Sinha says: 27th Nov 2015 at 8:08 am

This is amazing and incredible! Of course I would like to get my hands dirty on this. By any chance, can it be shipped to India?

Clive Rutherford says: 27th Nov 2015 at 8:23 am

Well done guys !!! A free computer on the front of a magazine ! Its going to be hard to top this now – there is no excuse for any child interested in computing to not get involved now. This is an historical day in British computing. Thank you.

Andy Crofts says: 27th Nov 2015 at 8:40 am

You're 'avin a Giraffe!!!! A fiver?!!?!!?
Brilliant!
(Cancels order for Chinese Arduino clones…)
-Andy

Bert Joe says: 27th Nov 2015 at 9:00 am

Does it have the same odd I2C-Bug like the normal PIs?
I really would like to use the PIs more often, but
without reliable I2C its useless for me.

Chris Evans says: 28th Nov 2015 at 12:45 pm

Yes. Our I2C RTC module just plugged in and worked!

Masafumi Ohta says: 27th Nov 2015 at 9:01 am

Congrats!

Cannot find a reasonable cost in the US. They are tying up inventory with overpriced bundles and shipping. $21.49 shipped from MCM is a joke!!

Dictys says: 27th Nov 2015 at 9:16 am

Please do not sell your product to Google, Apple oder Microsoft. it would be great if you remain independent and uses Linux als operating system.

Eric says: 27th Nov 2015 at 9:19 am

Isthe MagPi available in Sweden?

Allan says: 27th Nov 2015 at 9:31 am

Amazing – well done to all at RasPi towers to make this happen.

Simon says: 27th Nov 2015 at 9:47 am

I've just received an email saying that MagPi issue 40 is available to buy. But when I follow the link it still shows as out of stock. Is it / Will it be available again?

Neil says: 27th Nov 2015 at 10:55 am

That happened to me too. I saw the message 40 minutes after it arrived, but when clicking the link, it was showing as out of stock. :(

Zayed says: 27th Nov 2015 at 10:05 am

This seems a really cool product.
Just wondering if you will include a built-in WIFI in coming versions? If YES, When?

KidsLove2Code says: 27th Nov 2015 at 10:12 am

Isit available in India ?

Hooly says: 27th Nov 2015 at 10:50 am

Great Thing!!!!
but will this replace the A+?
I´d like to order a Zero (which is sold out) and a A+ but couldn´t find the A+ in the swag store.

Liz Upton says: 27th Nov 2015 at 11:02 am

No, it's not replacing the A+ – we just don't have any in stock ourselves at the moment!

LT says: 27th Nov 2015 at 11:10 am

Some questions concerning other Rpi models embedding BCM2835 :
– Those models will be cloked to 1GHz like Rpi Zero ?
– Rpi model A+ will be increased with 512MB of RAM like Rpi Zero ?

Alex Edwards says: 27th Nov 2015 at 11:30 am

And is there going to be a case for it ?

Ton van Overbeek says: 27th Nov 2015 at 2:43 pm No

.

Motorola lapdock has micro hdmi male and pi-zero has mini hdmi female.
For usb it would work. And since you can backpower the Pi-Zero you can power it from
the lapdock.

Tzvi Edelman says: 27th Nov 2015 at 11:41 am

Wally's encounter just came true! http://dilbert.com/strip/1995-06-24

SIME_LP says: 27th Nov 2015 at 11:56 am

Asthis thing is so cheap , could i cluster 2 of them ,emulate x64 on the cluster to add
some (probably as slow as it gets) cpu cores to my pc running win 10 so they could do
the little work so my main cpu could do the heavy work a bit faster or even both every in
the same application ?!? (I dont care if it makes sense , i just want to know if that would
work or if i should use something else for that to work)

Sry for my bad English .

Benjuthula says: 27th Nov 2015 at 12:03 pm

Congratulations, a great achievement!

Robert Zwemer says: 27th Nov 2015 at 12:48 pm

Where can you actually get a Pi Zero for $5, every site I visited had them bundled with
pritz I don't need????????

gordon77 says: 27th Nov 2015 at 1:52 pm

Nowhere I have seen yet…

dendad says: 27th Nov 2015 at 2:25 pm

I think it may take a while. Most supply houses will cash in on the demand by including
overpriced extras that many people don't want. Later maybe we will be able to get then
for "The Price". Here in Oz the price should be $7 but the best available, but with no stock
is $19+. Almost triple the price! I for one just want the boards, no leads.

mahjongg says: 28th Nov 2015 at 2:42 pm

from here (for example) http://swag.raspberrypi.org/collections/pi-zero/products/pi-
zero

Kasper Verweij says: 27th Nov 2015 at 12:51 pm

Weare only a tiny screen away from introducing the pipod

Kasper Verweij says: 27th Nov 2015 at 12:56 pm

Can i take flash photos of this new pi without it crashing?

Good memory for arcana there. Yes.

Nordin says: 27th Nov 2015 at 1:25 pm

Higuys,
I still have a question, how does Pi Zero have access to the internet?
I don't see an ethernet adapter and as far as I know, there is no built-in wifi module.
I assume by using a usb-wifi stick, but if someone can tell me more about it, you're welcome.

Liz Upton says: 27th Nov 2015 at 1:56 pm

You guessed correctly: you'll need to add a wifi dongle.

Owen Brotherwood says: 27th Nov 2015 at 1:39 pm

Sorry Liz Upton.

This is a question you will really love to hate. Usually it is, why isn't there [some feature] on the new pi.

Has the raspberry pi foundation any statements for how the use of people for the construction of the pi is governed, something like "fair trade".

The pi is aproaching zero cost, but there can be people costs behind it's production.

As the pi is components based, the final product being only directly auditable by the foundation, it is probably only the last step, component assembly, that one can make a statement on.

The question came up in Denmark.

I have to start googling as to if there is something already stated: I am a bit lazy by asking here

Liz Upton says: 27th Nov 2015 at 2:05 pm

Asyou've guessed, all we have direct knowledge of is the final stage. The factory is in Wales, we visit often, it's a lovely place and if you search this blog you'll find a lot of pictures of the people who work there doing their jobs.

Owen Brotherwood says: 27th Nov 2015 at 2:09 pm

I knew you guys would have the aspect under control.
I love Wales :)

Andy Crofts says: 27th Nov 2015 at 8:04 pm

I love whales, too!
(Couldn't eat a whole one right now…)
JOKE!!!! (T'is Friday)

Jim Manley says: 27th Nov 2015 at 5:21 pm

Yeah, they put away the whips and chains, stow the paste pots, and hide the young waifs who actually do all of the work in a cold storage locker when the Foundation shows up for long-in-advance-announced, carefully-orchestrated tours and photo ops. As for making the components, you should see the conditions the robots have to work in – immense, brightly-lit, spic-and-span, no-specks-of-specks-of-dust-clean factories running 24x7x365 (366 despite Pi Leap Day celebrations), with all of the silicon, hydraulic fluid, lube oil, and electricity they can eat. They even get free dopants at the

Pibla Khan (with sincerest apologies to the memory and estate of Samuel Taylor
Coleridge)

In Xanadu did Pibla Khan
A stately pleasure-dome decree :
Where Alpha, the sacred prototype, ran
Through caverns measureless to man
Down to a SunOS C.

So twice five miles of fertile ground
With Pi Towers were girdled round:
And there were gardens bright with sinuous rills,
Where blossomed many an incense-bearing file-tree;
And here were forests ancient as the hills,
Enfolding sunny spots of green energy.

But oh! that deep romantic chasm which slanted
Down the green hill athwart a Debian cover!
A savage place! as holy and enchanted
As e'er beneath a waning moon was haunted
By woman wailing for her daemon-lover!

And from this chasm, with ceaseless turmoil seething,
As if this earth in fast Ethernet ports were breathing,
A mighty fountain momently was forced:
Amid whose swift half-intermitted data burst
Disk fragments vaulted like rebounding hail,
Or chaffy bits beneath the keypuncher's flail.

And 'mid these dancing rocks at once and ever
It flung up momently the sacred river.
Five miles meandering with a mazy motion
Through wood and dale the sacred river ran,
Then reached the caverns measureless to man,
And sank in tumult to a lifeless ocean.
And 'mid this tumult Pibla heard from far
Ancestral voices prophesying RAR!

The shadow of the dome of pleasure
Floated midway on e-waves;
Where was heard the mingled measure
From the fountain and the caves.
It was a miracle of rare /dev/ice,
A sunny pleasure-dome with caves of ice!

A damsel with a dulcimer
In a vision once I saw:
It was an Abyssinian Maker,
And on her dulcimer she played,
Singing of Mount /dev/ora.
Could I revive within me
Her symphony and song,
To such a deep delight 'twould win me,
That with music loud and long,
I would build that dome in air,
That sunny dome! those caves of ice!

And all who heard should see them there,
And all should cry, Beware! Beware!
His flashing eyes, his floating hair!
Weave a circle round him thrice,
And close your eyes with holy dread,
For he on ones-and-zeroes hath fed,
And drunk the milk of Piadise.

DGP says: 28th Nov 2015 at 12:20 am

You Need Help!

Owen Brotherwood says: 27th Nov 2015 at 5:31 pm

Blog article I found. As already stated, I was too lazy to google for "raspberry pi
production" but "raspberry pi wales" gave the result:

Owen Brotherwood says: 27th Nov 2015 at 5:40 pm

From the article about "500000 pis in wales":
"As you'll know if you're a regular reader of this website,"
Well, regular reading where the days before the final production runs of the first pis, not even sure if it was even "this" website then.
Oh, the memories :)

Thankyou Raspberry Pi Foundation.

Andy Crofts says: 27th Nov 2015 at 2:27 pm

There's gonna be an instructible on how to pop a (RasPi) camer on it.
If not, watch what this 60-year-old, armed with only a soldering iron, a pair of blunt shears, and less fingers than the usual count* can do!
* Ever wondered why I use Octal????

Nick Rampart says: 27th Nov 2015 at 2:31 pm

Hiya. Seemingly sold out everywhere. When are we likely to see some more stock please.

Stephen says: 27th Nov 2015 at 2:52 pm

Ah, I've had a response from CPC as mentioned above: (
https://www.raspberrypi.org/blog/raspberry-pi-zero/#comment-1249227):
"The board needs certain adaptors in order to be used, we have made a decision to only sell this with the adaptors.

Our price for the bundle is broadly comparable with that being offered by the Pi Store and other resellers."

To me that feels like they are breaking some sort of agreement to say "you can have a zero for £3.33 ($5.00?) but only if you also buy these other things that we will include whether you want them or not." Fair enough we probably WILL want them, but there's something about having a choice, even if 99% will want the same as the option that has been forced on us…!

Piero Bardelli says: 27th Nov 2015 at 2:59 pm

Isthere any way I can get one shipped to Peru?

hikmet says: 27th Nov 2015 at 3:14 pm

Thank you so much This is amazing…

Raj Bhalakiya says: 27th Nov 2015 at 3:38 pm

Just wanna say ""WTF""

Heinz Schmidt says: 27th Nov 2015 at 3:51 pm

BRILLIANT!

I will be first in line to buy one of these and then use it as a flight controller for my multicopter, running an open source version of the OpenPilot software (modified for the RPi Zero of course)

It would be perfect for a small format quadcopter like a 180 or 250 and with all of that processing and memory overhead available, you could have it create a Wifi signal and serve web pages or be a flying, mobile file storage unit. Lol!

Xmas will be amazing this year because of you!

McLane says: 27th Nov 2015 at 4:51 pm

I will use it probably for high altitude ballooning – however, I am missing the camera port!!

Struan Duncan-Wilson says: 27th Nov 2015 at 5:00 pm

This looks amazing!

Will it support the 7″ touchscreen that you guys offer?

CanuckPi says: 27th Nov 2015 at 5:16 pm

This is nuts! I honestly did not think it was possible to make a computer so cheap. To think that 15 years ago, a $100 computer seemed like a pipe dream to me. Now? I have to seriously consider buying in bulk, since shipping is more expensive than the product. This is surreal.
I also noticed that this is roughly a stripped down original Pi, like the one sitting in my desk, humming along with the Pi 2. Glad to see that you guys don't believe in "planned obsolescence". ;)
Now, this is clearly not a A+ replacement, but what would this do to the compute module? With similar specs and sizes, my guess is that the Zero's lower price would make it more attractive for newer projects.

Tyana says: 27th Nov 2015 at 6:01 pm

I am looking at this for my 10yr old grandson. He is very inquisitive as well as engineering and computer minded. I had found the KANO site with the computer kids could build themselves which from looking at it, is actually a Raspberry Pi computer but prepackaged with the keyboard and dongle. It also comes with the the instructions for coding for 3 different games, including minecraft.

My questions:
1) Does the Pi Zero come with the same coding instructions? If so, which games or programs are included?
2) The cord bundle kit does not include a dongle but I saw where this site sells them but it does not list the US price. CAN I order it for US deliver? If so, how much is it and how much is the shipping?
3) If we do the subscription deal that includes the Rasberry Pi Zero (with the #40 issue) AND the cord bundle, what is the shipping for the two items and will they ship together? How soon would they arrive to a US address?
4) One comment above said that they could not order for the US for the $5. Other commenters said that you could get it for the $5 at Micro Center. HOWEVER, when I looked at the link they posted, Micro Center showed it for that price for IN-STORE PICKUP ONLY! There is NOT a Micro Center in our area (Tulsa, OK). So how am I supposed to order it?

My daughter is very interested in this for my grandson for Christmas. He would love it and it would give him the opportunity to learn coding skills which would be a great benefit later. BUT I need to know IF the coding instructions (or whatever they are) come preloaded or are with it and IF we can even get it here in the US.

Thank you for your help!

Liz Upton says: 28th Nov 2015 at 11:23 pm

HiTyana

For a young person of your grandson's age, Pi Zero might not be the best option; it doesn't offer the flexibility and features of a fully-grown Pi. We'd recommend that a parent or grandparent getting a Raspberry Pi for a beginning learner gets a Raspberry Pi 2 Model B; you'll find lots of places offer them alongside kits to get started with physical computing so he can do things like turn lights on and off, control things with switches, and even build robots.

As regards learning resources, there's a lot of free material available (the "Resources" link at the top right of this page is a great place to start). There are lots of books – we're biased, but Carrie Anne Philbin's Adventures in Raspberry Pi (she works here) is our favourite for kids. You should be able to buy everything you need from plenty of US outlets: try Adafruit, who will sell you everything you need to get started from scratch.

Merry Christmas!

Jim Manley says:					30th Nov 2015 at 3:57 am

HiTyana,

Go to Adafruit.com as they sell just the Zero for $5.00, two bundles that include the Zero and what you are asking about and more for around $30 and $60, or you can buy the Zero and individual items that will provide the minimum needed to get going. They also have some of the best video tutorials on the entire Pi line, as well as hardware ideas for Maker-oriented activities where the Pi is used to control real-world devices from lights and sound to motors for robots, etc. They can also answer all of your questions about what's needed, how to use it, and how to interface it to a plethora of other devices. Ladyada is the handle of the founder, an awesome MIT graduate who decided that the corporate life was not for her and her neon pink hair when she looked around at job opportunities when graduating. Instead, she decided to start her own company to help educate people on tech. Her company now does millions of dollars in business and she's a success story every kid should know about. If she's busy (she often answers questions), her partner Phil is also an outstanding engineer, and there are others there who are just as helpful and friendly. Tell them Jim Manley of the Raspberry Jam Silicon Valley at the Computer History Museum sent you and they will take care of you very well :) We're an Adafruit distributor there and couldn't be happier with their service.

Liz Upton says:					30th Nov 2015 at 11:04 am

Thanks Jim! (Again, though, Tyana – Zero's probably not the best option for a beginner: grab a Pi 2, and get a Zero later on!)

Darkc0de says:					27th Nov 2015 at 6:21 pm

yippy its best mini computer i ever seen

Henry says:					27th Nov 2015 at 6:22 pm

Brilliant stuff – will certainly be getting one

PiBaron says:					27th Nov 2015 at 6:26 pm

This is awesome. Can't wait to get my hands on one. (Will be trolling Microcenter today.)

How is this for next challenge. Lets name it AntPi.

1. Combined power and display (superMHL anyone?)
2. Nano SD slot (reduce size of SD slot by half or more if you are feeling courageous)
3. Onboard wifi

PiBaron

Lukas says:					27th Nov 2015 at 6:43 pm

Socan you actually get the thing for $5 anywhere? As far as I can tell you only get it in overpriced bundles with cables and crap that I have zero use for.

The $5 announcement feels like a PR stunt. Very disappointed.

mahjongg says:					28th Nov 2015 at 2:48 pm

http://swag.raspberrypi.org/collections/pi-zero/products/pi-zero

PiBaron says: 27th Nov 2015 at 6:49 pm

Does this have wifi or would that need to be connected via wifi dongle on the data USB interface?

PiBaron

PBJ says: 27th Nov 2015 at 6:59 pm

Could you add some info about power consumption on this page? I know it's on the video but already twice people asked, and that is quite important detail. I know it's in the video but me for example – I have no access to it due to very slow and limited connection.

Cheers!

p.s.
With this price there is no excuse – you either buy it for a project (even if not exist yet) or as a keyring ;-)

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alimiracle says: 27th Nov 2015 at 7:04 pm

Let nothing stop your good work. You made my day.

Marcin Chrzanowski says: 27th Nov 2015 at 8:31 pm

5$ok it's grate, beautfull, amazing :) but in Poland cost 199 PLN is equal 50$ the difference is tragedy :) i want 5$:)

> Marcin Chrzanowski says: 27th Nov 2015 at 9:09 pm
>
> 5$plus shipping of course :)
>
> Does it require too much? i don't think so :)
>
> > Szymon Życiński says: 27th Nov 2015 at 9:16 pm
> >
> > thePiHut takes only 3.5 pounds for s&h.
>
> > Marcin Chrzanowski says: 28th Nov 2015 at 11:16 am
> >
> > thank you "admin" for delete not nessesery posts :) you are grate man! :) have a nice day and nice evening :) "trzymaj sie cieplo" google says "stay warm" i says "keep the warm yourself" :)

Szymon Życiński says: 27th Nov 2015 at 9:04 pm

https://t.co/sDn8UoQrZO raspberry pi for 33 pounds. I would call it illegal.

> Marcin Chrzanowski says: 27th Nov 2015 at 9:15 pm
>
> :)oczywiscice ze to zamach stanu :)
> 5$ + przesylka ;)
> tez sie doczekac nie moge :) pozdrowienia i milego wieczoru :)

Ryan Percy says: 27th Nov 2015 at 9:17 pm

I'm planning to build bulbs which will adjust their brightness depending upon music device connected to it, is it doable with raspberry pi?

Ashok Saraf says: 28th Nov 2015 at 2:06 am

Ifwe take out the display handling part out of the OS , then these tiny computers would
be like super computing devices with good power for data base handling and server side
software .

RamonS says: 27th Nov 2015 at 9:55 pm

Excellent device and at this price point there is no way to complain about anything.
Nevertheless, what would be a real kicker if the Pi Zero could get a little sister that has
Ethernet on board, even if it is an unpopulated connector.

Emil says: 27th Nov 2015 at 10:09 pm

Amazing price.
Lots of us claim about shipping price of that 5$ computer,but we should understand
that that is total price which Rapsberry takes,so if shipping price will be even
5000$(mmay be someone orders computer by helicopter :-)) again Rapsberry takes just
5$.
Hope I could explain.

Ugo says: 27th Nov 2015 at 10:47 pm

How is it that my 1996 Macintosh System 7 ran quick and responsive on a 25KHz
Motorola processor requiring a bit less than 1 MB RAM, while "modern" OS find it that
difficult (= impossibile) to fit on a hardware like this P0, that is way more powerful in
comparison? What sort of insanity is that?

pbj says: 28th Nov 2015 at 9:26 pm

It's simple:
– CPU is faster (and there is more of it)
– data storage is faster
– RAM is faster (and more of it)
– libraries more optimized (to be faster)
– compilers are more advanced (to produce faster code)
But at the end there is a OS that with each update is optimized, bloat reduced and
makes better usage of hardware. So next time remember that even if modern OS seems
to be slower but at least it's less stable ;-)

Cheers!

ps.
Damn Small Linux used to be very fast as it was all loaded to RAM. With 512MB this
should not be a problem for RPi so maybe RAM disk is a direction to look at?

bname says: 29th Nov 2015 at 7:40 am

Ifyou liked DSL you should chk out TCL !

— that is all —

><

pbj says: 29th Nov 2015 at 7:28 pm

Thanks – I know TCL and to be honest didn't use DSL much (only as rescue system).
But you reminded me that I was planning to use TCL on my PI.
The main point remains the same – with all those improvements in all possible areas of
development (hardware and software) non major OS is as responsive as the one used
on old systems. What happens to this additional computing power saved by better
software and faster hardware components? Why a game can work in real time and file
manager not?

Oscar Corona says: 28th Nov 2015 at 12:19 am

What about Mexico?? any store in Mexico

Chris Palmer says: 28th Nov 2015 at 1:22 am

Made in Wales. I live here, I'd love to visit the factory.

Ashok Saraf says: 28th Nov 2015 at 2:01 am

Take that hdmi out , Computers do not need to have their own displays now any more as everyone will look at cell phone screen . Instead add wifi or bluetooth on board. Make still cheaper computers as computing servers . Cpu , memory and IO…
Back to Pure Computing where terminals did the rendering work .
Now cell phones are terminals ..

Kevin Davies says: 28th Nov 2015 at 6:25 am

Brilliant work guys. The lower cost will break down the barriers for education. I was talking to local people here and they said at those prices they can literally offer them to people turning up for classes because its not a big amount of money. Most would happy fork out the $8 AUD to buy the item. Now to just get e14 to sell the standalone SBC and we will be rolling nicely.

Brandon Lee says: 28th Nov 2015 at 7:21 am

What does the RUN header do? It's only 2 pins. Also the picture with the lego figure is pre production. The reales shots have this Extra RUN header. What's it for I can find it mentioned and I've been digging.

Well done -BTW

mahjongg says: 28th Nov 2015 at 2:52 pm

its the reset input.

Matt says: 28th Nov 2015 at 7:33 am

Guys – what you waiting for? Print some more this magazine and raspi ! And make sure you are finish before Christmas

JH Kang says: 28th Nov 2015 at 8:46 am

Great ! Best super performance platform for H/W, S/W integration than others, and tiny enough !

mu moto says: 28th Nov 2015 at 10:05 am

i can build a smart car around this ;)

aname says: 28th Nov 2015 at 10:05 am

What version is the HDMI ???

Has it got HDMI Ethernet Channel builtin ?

ahahahahah…… funny…..

the 5$ computer….there are few pieces….but after on EBAY there are THOUSANDS COPY of newspaper with rasp and may others sold alone, NOTHING AT $5……many 30-40 EURO, some over 100 EURO…..

this is politic a bit WRONG to say " a $5 computer" ….
IF I BUY FOR $5 A RASPBERRY ZERO MEAN IT'S A $5 DOLLARS COMPUTER…..WHEN IT'S OVER 30 EURO THAN IS NOT A GOOD THING…..
but Happy the Foundation, happy everyone…..many other does money with work of someother…..

Turtle says: 28th Nov 2015 at 12:06 pm

Amazing news! This will change my whole project! But could you tell me how can I buy it in China??

bilux says: 28th Nov 2015 at 1:43 pm

WOW awesome !!!
a built-in WiFi would be nice add, it should look more like the best IoT device.
hope to see a new version with built-in WiFi (y)

Bogdan says: 28th Nov 2015 at 5:44 pm

Nooo, what have you done?!
This board WOULD have been perfect if it also had a USB breakout!
Just imagine, many hats would include a proper USB connector for the wifi dongle!
You must include a USB breakout in the next revision, this is a must!
Instead of being tied to that horrible USB adapter cable, I could just have a hat with projects that includes a USB connector!

Rod says: 28th Nov 2015 at 6:02 pm

Hey, why not just make the HDMI a male port so you can use this thing like a dongle?
Design a sleek little case and you have the first rpi stick akin to the roku or chromecast.

os says: 28th Nov 2015 at 6:06 pm

Can we implement parallel processing using raspberry pi zero. i see we don't have lan port any more can we use GPIO for MPI?

Brandon Lee says: 28th Nov 2015 at 10:02 pm

mahjongg – TY

So I make interesting observations. The latest Dr. Who he plays a guitar, the Amplifier he plugs into it a MAGPI. Go figure.

the Wombat says: 28th Nov 2015 at 10:03 pm

Element 14 are listed as the sole distributor here in Australia. Their website listed the Pi-0 not as out-of-stock, but as no-longer-stocked. Plus the price is $19.20 + P&H, when US$5 = AU$7. What gives?

Ken says: 28th Nov 2015 at 10:19 pm

Anyone know if the Broadcom USB hub and Wi-Fi adapter
http://swag.raspberrypi.org/collections/pi-kits/products/usb-hub-and-wi-fi-adaptor
works well with the Pi Zero? A USB-to-microUSB adapter will be required of course, but

Liz Upton says: 28th Nov 2015 at 10:54 pm

Yes, they're both designed to work with the Pi. If it works with a B+, B or Pi 2, it'll work with a Zero.

Ken says: 29th Nov 2015 at 2:17 am

Thank you Liz. And thanks as always to the Foundation.

Riley McGuire says: 28th Nov 2015 at 11:44 pm

Sois the Magpi going to be carried at Barnes and Nobles now?

Ioannis says: 29th Nov 2015 at 2:14 am H

i

,

I ordered the Raspberry Pi Zero from Farnell, and just received the following message:

"Order Code Mftr. Part No Description
2508221 RASPBERRYPI-ZERO
Thank you for your interest in the following product(s); however we regret to inform you that these product(s) have been discontinued"

Then I entered to the Farnell Website, and the Rspberry Pi Zero is not listed at all !!!

m I missing something? Please answer as we put our resources for designing and it would be big looses for us if you discontinue the Raspberry Pi Zero.

Thank you very much for your kind reply

My Warmest Regards
Ioannis
http://www.pimodules.com

Semaf Electronics says: 29th Nov 2015 at 3:18 am

Weordered for reselling 20 pieces and got the message too. Would be nice if the Raspberry Pi Team could tell us how it will go in future?

We Resellers will need Raspberry Pi's in future too and if Farnell is out of Game, so please tell us where we can get it.

Hope to get a reply here.

arun kanth says: 29th Nov 2015 at 5:59 am

how to bye Raspberry Pi 5$ computer.

Hope to get a reply here.
thanking you

rtfm says: 29th Nov 2015 at 7:04 am

Nochance to get rpi zero for 5 dollars in my country. It costs 20+ dollars.

Dean Woodyatt says: 29th Nov 2015 at 10:18 am

Quite amused at everyone moaning it's not 4 quid / 5 US dollars.

Wait a few months, it will be. once the madness has died down…..

Till then, early adopters, supply / demand, etc, etc

29th Nov 2015 at 10:21 am

I want to buy this PC

Ben says: 29th Nov 2015 at 11:27 am

Really looking forward to seeing what the aftermarket hw devs can do to get a small
unobtrusive wifi/bluetooth combo solution that 'just works' or close enough to market.
Would be great to get full access while keeping it super minimal. Watching Kickstarter
with baited breath for this and other tiny addons for the ZP.

Hazem says: 29th Nov 2015 at 11:57 am

that's really what we are looking for
this Extremely low coast computer will really make a new revolution of the embedded
system and IoT systems,
i am sure that we will find it in every ware… 100% every ware

Brian Ipsen says: 29th Nov 2015 at 1:17 pm

Nomatter where IO check, the Zero seems way more expensive that the announced
US$5

At Reichelt in Germany, it is liated at around €15 – which is aroundf US$16 (and
USB/HDMI adapter is bundled – you apparently cannot buy it without the adapters).

In Denmark, the bundle is listed at DKK 169,- – which is around US$ 24,-

Why are the prices so much higher at resellers than announced? Because the resellers
just want to have a good revenue?

alecthegeek says: 29th Nov 2015 at 8:51 pm

Here in Australia it seems to be a fairly pricey 5 lattes in Upton Dollars, thats A$25, from
official distributers.

Element14 will no longer sell direct to pleeps like me. Their price is A$20 if you are a
"business".

Nathan says: 1st Dec 2015 at 8:29 pm

Reminds me of my first encounter with element14. They didn't sell to private people and
added a remarkable handling fee on top, raising the price of the "20 dollar computer" to a
"cheap" 40 EUR.

I do see the benefit of these extra converters they all package with the board, the price
however is unbelievable. In Germany the board sells for ~15 EUR. Adding 3 parts worth
a few cents obviously seems to triple the original advertised 5$ price.

I'll be waiting until the board levels down to the normal price. I'd really encourage
everybody to not buy the thing until they actually offer it for the price the raspberry pi
foundation is advertising it.

marcus says: 29th Nov 2015 at 6:57 pm

How i connect it on my intranet? i want to use ir as a webserver.

Raspberry Pi Fan says: 29th Nov 2015 at 8:44 pm

Will you be able to get audio from this without using the HDMI???????????

Yes, but it's a little more complicated. Go to the forums to find out more.

Ming Leung says: 29th Nov 2015 at 8:46 pm

I didn't get a affirmative answer from the posts. Will both USB ports support data? For example, one is used for a USB-wifi and the other one is used for USB-audio.

Liz Upton says: 29th Nov 2015 at 11:18 pm

No: one is for power, the other is for data. If you want two, you'll need a hub.

David says: 29th Nov 2015 at 10:31 pm

How can you call this a $5 compute when you allow the Pi hut to charge £18? So many others are also charging so much more than the $5 that it makes it a bit of a let down, when it's really such a huge achievment.

Liz Upton says: 29th Nov 2015 at 11:18 pm

The Pi Hut is charging £4 for a Zero (that's $5 plus VAT), as you can clearly see here. The thing you're looking at is a Model A+, which is indeed £18. Not the same thing.

Richard Sierakowski says: 29th Nov 2015 at 10:46 pm

The Foundation have made great progress in bringing affordable computing to the poor of this world. Those in the developed world have no grounds to desire lower prices as they can easily afford double the asking price. To deal with the present level of demand I would suggest that priority shipments be available to those who buy two Pi Zeros on the basis that one is then donated to suitable recipients, as determined by The Foundation. Buy three and donate two and get further up the priority list etc. Hopefully people will donate a Pi Zero if only to offset all the negative posters.

Richard

Ali Fadel says: 29th Nov 2015 at 11:54 pm

I need a URL on amazon to buy RASPBERRY PI ZERO because I'm from Jordan.

Ioannis says: 30th Nov 2015 at 3:12 am H
                                                                                              i
,

Just one question,

Where we can find the mechanical files, and as a minimum the schematic, if not of complete PCB, the the I/O, USB, HDMI etc. Would be very helpful for the designers.

Thank you in advance
BR Ioannis

nitish kumar sinha says: 30th Nov 2015 at 6:21 am

pi-zero when it is available in india please make available soon in india

David A says: 30th Nov 2015 at 8:19 am

Ifyou subscribe to the magazine now (30th November) will you get a copy of issue 40 with the Zero on the front cover?

Guys? Am i the only one that bought it for 8 gbp/11eur with SHIPPING to Latvia included? just went straught to pimoroni and…success!Where is everyone getting these ridiculous prices?

Adam Jones says: 30th Nov 2015 at 12:29 pm

Fantastic! Having some "dad and lad" time with my 7y.o. and we were planning to build a tracked robot with an Arduino. Just switched the plans to use a Pi Zero (with Arduino as a stand in until more supplies come online!).

Thanks for this!

Thomas Burger says: 30th Nov 2015 at 1:15 pm

Isthere a schematic available?
What about the description of the pins on the back?

john lee says: 30th Nov 2015 at 2:02 pm

Any update about if/when there will be more magpi40s eg in WHS? Last I saw was Dec 10th – seems a long time! J

Jerome says: 30th Nov 2015 at 3:01 pm

Amazing work ! I would have buy one to add it to the 6 others PIs I already own, but …
Already out of stock everywhere … and sellers on ebay sell it at an outrageous price …
sad to see lazybones making money with the excellent work of others …
Thanks for your work ! I hope I'll be able to get one soon (with the printed magazine if possible ?).

Naveen says: 30th Nov 2015 at 5:50 pm

when will we get raspberry pi zero in INDIA….??
Eagerly awaiting for its arrival in INDIA…:)

Deni Suhendra says: 1st Dec 2015 at 12:20 am

Isthere any suggested global market that sell and ship raspberry pi zero over the world?
Please give me recommendation,

Nathan says: 1st Dec 2015 at 12:23 am

Stunning price… Just wow!

Well done to all working on this project… what a credit to you all… this will change the face of computing for ever!

stephen says: 1st Dec 2015 at 1:33 am

WOW five bucks thanks raspberry pi you are the best!

Jorge says: 1st Dec 2015 at 7:56 am

Hello,

A big project. In a small size. But, Why not a unpopulated pin o pad to power the pi in order to not to use the micro-usb. Think that is bigger the power connector than the

Jorge says: 1st Dec 2015 at 7:57 am

And what about buy the magpi issue 40 in spain?

Auto Binary Signals Review says: 1st Dec 2015 at 8:25 am

Fantastic! Having some "dad and lad" time with my 7y.o. and we were planning to build a tracked robot with an Arduino. Just switched the plans to use a Pi Zero (with Arduino as a stand in until more supplies come online!).

Thanks for this!

Stanley says: 1st Dec 2015 at 11:59 am

HiALL,
Am in Cameroon. how do i get a pack?

Thanks

Alex says: 1st Dec 2015 at 7:17 pm

Hiall,

Just wanted to tell you that on a website from Romania this is arround 25$ – with OTD adapter and miniHDMI to HDMI adapter.

Thanks

neo says: 2nd Dec 2015 at 1:25 am

It's so terrible awsome. i like it.

Ant Tat says: 2nd Dec 2015 at 10:52 am

wow, Eagerly awaiting for arrival in INDIA

Please make it fast, can't wait damn excited :)

Cheers

Spencer says: 2nd Dec 2015 at 12:59 pm

So, there I am wandering down Fleet Street today, doing some random food shopping when a certain Mr. Upton pops out of a sandwich shop, lunch in hand! Thanks for stopping to chat, hope you didn't have to bolt your food…and those guys in the office I mentioned were dumbstruck when I told them who I'd just been chatting to :-)

Leom says: 2nd Dec 2015 at 7:14 pm

Which OS is available for this device? And how much will the OS cost?

Helen Lynn says: 2nd Dec 2015 at 7:56 pm

Raspbian and others; £0.

When is going to be really available the raspberry zero? All places have them out of stock and ebay is growing with re-sellers who sell them even expensiver than the raspberry 2…

James Hughes says: 3rd Dec 2015 at 8:43 am

See forum posts on exactly this subject.

Mike Inman says: 2nd Dec 2015 at 9:33 pm

So, this is super exciting – I love the smaller form factor, and who couldn't love the price.

But (always a but) as I think of what I do with my existing Pis, most of them use Ethernet connectivity as a central part of their mission.

If I could wish for a "next model" Pi (the Pi .1416 for $14.16?) I would want the wired ethernet port back. MiniHDMI is O.K., even when an application runs "headless," it is nice to have the option for a real display keyboard and mouse sometimes. A single mini USB for peripherals is also O.K., though this makes keyboards with built-in trackpad and/or USB hub very attractive. Mini USB for power is a nice touch – save a little soldering compared to power via the header pins.

All in all, I'd rather have the HDMI, USB and power interfaced via an optional header and keep just the Ethernet and SD card sockets populated, if ultimate cost and form-factor reduction is the goal. Of course, I understand that keyboard and display are more central to the Pi mission for coding education – but now that that has been "ultimately addressed" – maybe a POE driven Pi with optional USB and HDMI would make an interesting little low cost sibling?

James Hughes says: 3rd Dec 2015 at 8:42 am

Buy a B2 if you want ethernet? There are limits to how many models the Foundation can design and more importantly support.

Mike Inman says: 3rd Dec 2015 at 3:35 pm

I guess I am looking more toward the "compute stick" side of Pi, with a POE to make it operable with a single cable connection. The B2 is great, but if we can get it smaller/even cheaper – it can fit more places.

michael says: 5th Dec 2015 at 1:44 pm

The other way around: „Ethernet over 480Mbit USB 2.0" is your solution for a "Pi Zero compute stick". Pi Zero can be backpowered via USB data-port, so „POE" included. All this for 5$ (1H2016)

webysther says: 3rd Dec 2015 at 11:54 am

Why not USB Type-c? Maybe the next version?

ciro says: 3rd Dec 2015 at 9:25 pm

Where can I buy it and get it ship internationally?

David M. Young says: 3rd Dec 2015 at 10:29 pm

I say:

Nice work Pi Team! Now any poor kid and his mates who can pull together an old TV, a modest memory card, a little electricity, and a recycled keyboard, can work on

networked controller may mean running semi-clean drinking water, where there was none. Wishing for 10Gig-E and built-in 16K HDMI 2.3F are totally missing the point.

Duong Quang Vinh says: 4th Dec 2015 at 5:44 am

Hi, I`m from Viet Nam. I`m interested in this. How can I buy, pay, receive? I would like about 1000 sets, so, how much do they cost, include vat, transfer cost?

Mike says: 4th Dec 2015 at 6:59 pm

Out of stock everywhere I can find online.

Stupid bitcoin miners bought all them up.

case in point of the comment above me.

A 1000 units? really?

Martyn Jones says: 4th Dec 2015 at 11:22 pm

What happens if you plug the USB power supply into the USB data port?

michael says: 5th Dec 2015 at 1:25 pm

Your Pi Zero is then backpowerd via USB-data port. It will boot. However – you can't use the (then free) power-port as data-port. In short: Nothing will happen.

Jon Smirl says: 5th Dec 2015 at 12:16 am

Isthe price of the Compute Module going to drop to $5 too? The hardware is almost identical. Doesn't make sense Compute Module is still $30.

Amstog says: 5th Dec 2015 at 1:31 am

I'm very interesting for that, but is pi zero Available in MOROCCO ?

Rick H. says: 5th Dec 2015 at 9:08 am

Hi, Where can I find Pi Zero 40-pin header signal description?

michael says: 5th Dec 2015 at 1:19 pm

PiZero 40-pin header signal descriptions are the same as with A+ or B+.
Basics:
https://www.raspberrypi.org/learning/getting-started-with-gpio-zero/
Note: You can change to „Alternate"-modes, e.g. GPIO-pins used as RGB for secondary VGA-output …

AndrewS says: 5th Dec 2015 at 4:57 pm

It's identical to the B+ and Pi2
https://www.raspberrypi.org/documentation/usage/gpio-plus-and-raspi2/README.md

http://pinout.xyz/

Aditya Narayan says: 5th Dec 2015 at 12:49 pm

Hello , i would like to know when will the RASPBERRY PIZERO available online pls tell.

Arturo Muñoz says: 5th Dec 2015 at 5:57 pm

This is a good opportunity for many ONGs to provide education around the world. I was
waiting for C.H.I.P. for a ultra-low cost linux computer and then you released this. If you
create an ultra low cost screen even 15 in, the world will have the combo, add solar
energy or any energy available in places with no traditional electrical facilities and you
will communicate the world (even without internet you can do a lot of stuff if you have
the correct info in your local storage). My only worry is that a lot of people is using a full
computer like raspberry pi for things that a 1 dollar microcontroller can perform with no
problem. Well, I guess it is matter of time to see applications that will help the world.
English is not my first language so you could find some errors.

Clemens says: 5th Dec 2015 at 7:13 pm

Perfect to my contry but is so dificult and expensive to get one in Guatemala maybe de
next year :'(

Yasoon says: 5th Dec 2015 at 7:16 pm

Microcenter in MI had 100 Zeros delivered less than a week ago and they sold all of
them THE SAME DAY they were received. At $5 a pop for up to three they're HOT!

Large brick & mortar stores only receive a bulk of 100 Zeros in one delivery, so the idea
that a speculative boiler room is going to buy 1000 and mark them up is rubbish.

Richard Sierakowski says: 6th Dec 2015 at 10:43 pm

Great news for those requiring a USB to Ethernet dongle and can access UK based
Maplin's offering:

http://www.maplin.co.uk/p/usb-20-to-ethernet-adapter-a31gy

ASIX Electronics Corp. AX88772A – USB2.0 to Fast Ethernet Adapter as this, for me,
works with all my RasPi Bs – B256/512, B+, B2 and the Zero with and without RasPi
powered USB hub.

RASPBIAN JESSIE has all teh drivers its needs.

Rich Steed says: 7th Dec 2015 at 9:32 am

Any idea when more stock will arrive in the UK?

Very jealous of those people who managed to get the magpi or the zero at Piwars this
weekend

I'm signed up to all stock notifications but a heads up of the general date time to be
watching my email would be nice :)

AHMAD says: 7th Dec 2015 at 11:04 am

can i get it in pakistan
??????

Jakub Urbanec says: 7th Dec 2015 at 2:00 pm

Hiall,

what a wonderful idea! Mr. Upton (and his team) deserve yet more free beer as I
promised a few months ago. So please recall my last promise:
I pay for every beer you drink in Czech republic, Mr. Eben Upton. No kidding.

P.S. Sorry, but yes, beer is still cheaper than RasPi Zero in Czech republic.

Singh says: 7th Dec 2015 at 4:52 pm

paul says: 8th Dec 2015 at 1:15 am

I'm sure stock will increase, its pretty inevitable the first batch would fly off the shelves.

keith peckett says: 8th Dec 2015 at 8:32 pm

hats off to you sir! my friend got me a b+ for my birthday and its brilliant! I have no
background with coding or anything other than windows based stuff and I have been left
infuriated and delighted in equal measure with your product! I am learning all the time so
the head banging is calming down and reason replacing it. so far I have got emulation
station running on my living room tv (much to the annoyance of my other half) and felt
really chuffed! I look forward to getting a pi zero when there is one that hasn't been
scalped by ebay pirates. much love and thanks for getting me into this wonderful world
:)

Nicholas says: 8th Dec 2015 at 9:48 pm

Love this! Can't wait to buy these, I do like the raspberry pi but I can't afford to constantly
shell out $30 dollars every time I want to start a new project xD.

Nuwan Jaliyagoda says: 9th Dec 2015 at 3:35 am

Nice. I like it and waiting for buy. (It selling faster.)

Mati says: 9th Dec 2015 at 2:07 pm

Please add some info to Pi Zero page on frontpage also – currently i should use google
to get board size and other parameters.

Andy says: 10th Dec 2015 at 2:30 pm

It's great to use Pi Zero to build Robotics.

Eugene says: 11th Dec 2015 at 3:22 pm

Itis out of stock for a week, when it will be available?

Liam Mustapha says: 12th Dec 2015 at 10:29 pm

Hopefully next week! They are just catching up due to the high demand! :-)

Raspberry fan says: 11th Dec 2015 at 4:34 pm

I don't know how low the price will go upto. This surely surpassed CHIP, $9 Single Board
Computer on Kickstarter.

Aditya Narayan says: 13th Dec 2015 at 3:50 am

Can Somebody Pls Tell when exactly is the raspberry pi coming back online for sale ,due
to very less information on this topic we are not able to understand
pls help!

I have exactly the same question.
I had asked this somewhere in this thread that this would be the perfect Xmas gift for me. Someone answered that it was a matter of a week or 2.
Both, me and my wife are unemployed at this moment so money is very tight. For me who has been in the IT sector for over 20 years it was a big slap in my/our face and looking at the economy, half of my friends are more than worried about their job, nothing is improving here in Europe.
Now it seems I will get no Xmas gift at all which is a big letdown seeing all these zero's being sold at crazy prices online. To be honest I am very disappointed right now.

Liz Upton says: 14th Dec 2015 at 10:27 am

Well, you're in luck: they turn up in online stores today. The Pi Hut are saying they'll start selling to customers in a couple of hours. http://thepihut.com/products/raspberry-pi-zero

In general, if you're really feeling "slapped in the face", I'd recommend you follow us on Twitter, where you'll always get the most up-to-date news.

Jim Pee says: 14th Dec 2015 at 11:34 am

The Pi Zero shows Zero stock on Pi Hut already. Oh dear :(

Jim Jinx says: 14th Dec 2015 at 1:46 pm

Itwas sold out at 11:34, but it became available at 12ish and it is sold out again.

Liz did say in "a couple of hours" in her post @10:27, so Jim Pee was a bit hasty.

I got one

Kevin says: 15th Dec 2015 at 3:57 pm

Itseems that nearly three week later – there are NO Pi zeros' not anywhere, excellent product excellent news, brilliant concept, MASSIVE under estimation of numbers required! such a shame that this happens on every launch, you are much more popular than you think – every time! – please just be honest – when will there be a SENSIBLE amount of Pi Zero's made? (not just a trickle)

Andrew says: 15th Dec 2015 at 4:57 pm

what does "unpopulated" mean in this context?

Liz Upton says: 15th Dec 2015 at 6:14 pm

Itmeans "without components".

Mike Herbst says: 15th Dec 2015 at 10:51 pm

Raspberry Pi Zero – "Zero" stands for the availability :-(

Sandor Huszagh says: 18th Dec 2015 at 11:48 am

I "bought" my from CPC Farnell 27/11/2015 when their site shown they still have it. After an hour they sent an email they out of stock and maybe they will deliver it 21rst of Dec. Before that 9 in the morning I gone around Wallasey, Birkenhead, Bromborough and Upton to check all Tescos, ASDA and W&S in the hope I can get 1 MagPi #40. I was at the W&S when it was opened and they didn't had even 1 MagPi. Yesterday CPC said they cancel all the Zero orders beacouse they can't supply it :(The funny part is I bought everything for my project just the Zero missing. So the options what I have to buy it from

acy theory, but as I see some workers of the stores made very nice money with this) or as I think wait min a month (after I wait ~3 week for the CPC to say sorry we canceled your oder) till get one :(Is there any chance there will be more in the stores till January? Or maybe it's a good idea to make a preorder system with limited amount (1-2) to make sure everybody get one, and not like someone buy 10+ to sell it on eBay and others wait months. You get money for the costs, the numbers how much you need to make and the customers get their so waited Pi Zero

skarmiglione says: 18th Dec 2015 at 11:25 pm

i wanna know if it have gpio and things similar to arduino, cause i have a nano arduino and a nodecmu then i have the curiosity abot if i can make modules with it and have a wifi function with the node mcu… anyway i am waitin for new pack of production to get my own pi zero, but that questions dont let me sleep.

Shane Walter says: 19th Dec 2015 at 2:28 am

they will make more, soon so just hold on. 5.00 or 30.00 its still cheaper then a android pc.

Jerome says: 19th Dec 2015 at 3:46 am Hi,

I want to keep it vrey small but I would like to add a motion sensor and a Wireless Transceiver.

Can you tell me what product do I need to make it work?

Thanks

Nunzio Fiore says: 22nd Dec 2015 at 8:43 am

I'd like to be informed for the same things. UP.

tayo izle says: 19th Dec 2015 at 8:31 am

It's great to use Pi Zero to build Robotics.

Computer Kid says: 20th Dec 2015 at 11:06 am

Would love to buy one, but not avalable atm. And in some shops where availabe it's selling for much more than $5 .-(

Aditya Narayan says: 20th Dec 2015 at 3:45 pm

We,the people in india are facing difficulty due to the time of the stocks coming online which is usually night in india and even if we get a notification till the time we go online to buy them they are all finished,so i was suggesting that if for the people wanting pizero in asia is it possible that you can arrange a particular re-seller who will put the stock of pi zero online when it is daytime in india or any other asian country.
as you know pi zero is a exceptionally brilliant product that is cheap to buy and can be bought by anyone and through this many poor students who could not do good and show their potential due to not having a computer will get a chance to learn something new and extraordinary.
this is a small humble request i make to the RASPBERRY PI FOUNDATION.

THANKING YOU
ADITYA NARAYAN

Eben,

Thank you for producing an amazing little PC and offering it at an unbelievable price.

I experienced the same price obstacle when buying my first TRS80, Commodore 64, TI-994A and the XT. The Pi Zero is an inexpensive way for almost anyone who wants to learn and use them.

When I compare and contrast the capability and cost of your little gem to other it boggles my mind.

Thank you again for focusing on proliferation rather than profit. I can't wait to receive my Rasberry Pi Zero.

I'm going to support you in the future as well. I want to take advantage of the fine electronics you produce and I also want to return the favor.

---

xile ro says: 22nd Dec 2015 at 4:28 am

when will it be available here in the Philippines?

Giuseppe Tangulas says: 22nd Dec 2015 at 8:28 pm

Hi,why the demand is not covered spreading build files to CEM manufacturers in all three main time zones? ain't that hard. you already got first runs from china.
then why not make 5 – 10 pieces bundles in order to encourage pool buying?pi zero is very precious for the small size but not having a little chance of buying it , could be really discomforting. thanks a lot
Giuseppe

Voorstad says: 24th Dec 2015 at 11:50 am

HiLiz, I received the MagPi #40 with the Pi Zero amazing! The Pi Zero was acompanied with the USB OTG cable and HDMI converter, but unfortunately missing the to-be-soldered GPIO pins…. What to do?

Alexander Elsas says: 24th Dec 2015 at 3:53 pm

I do not think there was GPIO pin included …

Chalo Canaria says: 27th Dec 2015 at 2:40 pm

I love your project, guys. Unfournately, here in Latin America the Raspberry Pi's prices are too high. A Model B for example costs 60 dollars in Colombia (175.000 Colombian pesos) and that's a bit expensive here. I know it's due to the dollar value, though. And there are people that sell the RPi Zero at 84 dollars! (250.000 Colombian pesos). I don't how that problem would be solved, but I'd like that each Colombian children can have their own Pi. With these prices it won't be easy.

Richard Mullens says: 3rd Jan 2016 at 10:26 pm

Isn't the high price in Colombia a result of Government tax ?

Can you show me an ad for the Pi in Colombia. I spent 3 months in Bogota and noticed that electronic parts could be found in a street around Calle 60 Carrera 11 if my memory serves me well.

Ed Sharpe says: 27th Dec 2015 at 6:03 pm

SMECC Museum needs a copy of the Mag. with the Pi with it for a display! truly a historic event … a $5 computer…

with it in US see us at http://www.smecc.org and you can directly email with us with the link on our website. happy to buy the thing can pay via paypal.

John Whiteford says: 28th Dec 2015 at 10:35 pm

I bought mine before Xmas here in Queensland for $25 AUS which included the mini connectors. Very pleased with it

CLAUDE TREMBLAY says: 30th Dec 2015 at 6:53 pm

i am in canada i received today my magazine with the pi zero
in the envelope they was 3 parts
-the PIZERO
-THE OTG USB CABLE
-THE HDMI ADAPTOR CABLE
– MISSING GPIO CONNECTOR SEE THE IMAGE
https://www.raspberrypi.org/wp-content/uploads/2015/11/rsz_img_0661.jpg

WHY DID Alexander Elsas says: " I do not think there was GPIO pin included … "
JUS READ THE MAGPI ADVERTISING IT IT SHOWN AS SHIPPED WITH THE CABLE AND ADAPTOR

Pi Enthusiast says: 31st Dec 2015 at 4:30 pm

Northeastern Oklahoma USA here. When is the MagPi #40 supposed to arrive in Barnes & Noble, in the Tulsa area, anybody know?

Matt Richardson says: 31st Dec 2015 at 6:13 pm

The MagPi #40 will be stocked at Barnes & Noble by mid-January. See this update for more information: https://www.raspberrypi.org/magpi/christmas-cut-off-dates-for-getting-magpi-40/

Matt Richardson says: 31st Dec 2015 at 7:06 pm

Coincidentally, I **just** saw that someone on Reddit reported #40 being at the Reading, PA B&N. Keep an eye out at your local B&N.

Pi Enthusiast says: 1st Jan 2016 at 5:22 pm

Thanks! I can't wait until it arrives! Been waiting ever since Thanksgiving to get my hands on one of these, and the delay of shipping was rather annoying. What do you think the cost will be?

Victor says: 2nd Jan 2016 at 3:28 pm

For those of you interested in robotics and drones I'd recommend having a look at the PXFmini (http://erlerobotics.com/blog/pxfmini/), a shield for the Raspberry Pi Zero to create these artificial beings.

Tarun says: 4th Jan 2016 at 1:34 pm

InIndia its costs around 20 dollar(1373 Ruppees).

Hithere. could you provide me with your contact number if you have a brunch in the UK. Thanks!

Gil says: 6th Jan 2016 at 5:24 pm

Ghost product.
I do not know the demand for this product, and does not exist in any store.
And I doubt that will get anywhere in the world for $ 5.

Liz Upton says: 6th Jan 2016 at 5:33 pm

A quick glance at thousands of people showing of their projects on Twitter would prove you wrong…

Gil says: 7th Jan 2016 at 12:19 am

a quick look at several shops in the world and you will see that there is no it for sale.

DruThulhu says: 7th Jan 2016 at 1:15 pm

Like the Tesla, when first introduced you could not walk into any car dealership and pick one up – you had to order from the factory. What is the demand for an emissions free all electric vehicle that can do 0-60 < 5 sec? I dunno. But now I can pick one up used off of Craigslist (hyperbole, but you catch my meaning I'm sure).

Now there are Tesla dealerships, just like there are Pi sellers, and while you can get many a different Tesla and Pi, you can't get the absolute latest iteration of the Tesla at any old used car lot, you have to go to the dealerships, and at this point it has *sold out*. I have one, in the USA, as I am lucky enough to have a MicroCenter nearby. Was it $5? Heck yeah! I spent more in cables to connect it to my TV and my USB hub than the computer itself.

This is no ghostware my friend. Given the "demand" for the initial run of the first Pi, why are they coming out with their 5th version for $5? Because you don't see any doesn't mean that there aren't any. There's no pizza in my belly, but if I call the factory they will make one and deliver it.

RPI will do the same as soon as they can make more units, seeing as the first run or two were so popular (with that missing market) that they have to keep building them. Pizza may be quicker and have more manufacturers, but Fruit is better for you anyway, and takes time to grow.

Calcarius Ornatus says: 6th Jan 2016 at 7:19 pm

"Even in the developed world, a programmable computer is a luxury item for a lot of people, and every extra dollar that we ask someone to spend decreases the chance that they'll choose to get involved."

Many poor people will be able to afford to buy this computer but won't be able to afford the education necessary to be able to use it (or afford the computer and internet service necessary to search for free tutorials on-line).

abdi says: 7th Jan 2016 at 2:53 pm

Hi, could you please let me know when it will be available again to buy pi-zero? and what is the limit to buy?
thanks
abdi

latyas says: 8th Jan 2016 at 9:50 am

Can not get this in China, its price is toooooo high that I can not afford it (nearly $100)

8th Jan 2016 at 2:48 pm

Month and a half has passed (happy new year, btw) and I'm still seeing no stock anywhere. It would appear it's well named, cos that's the amount of them that's available. What news of stock levels please?

Ivor Biggun says: 8th Jan 2016 at 3:41 pm

Raspberry Pi Zero: the $5 computer*

*If they ever make enough to actually have stock for stores. What? It could happen…

richard mullens says: 9th Jan 2016 at 6:57 pm

Itwould be great to have some information – like how many raspberry pi zeroes are being made per week, what the demand is per country, expected time until they become available in quantities greater than 1. Personally I think there should be a statement about this on the pi foundation home page.

Pi Enthusiast says: 10th Jan 2016 at 9:54 pm

I just went to Barnes & Noble, said they only got three issues a month, and they were sold out. What's up with that?!?!?!?!??!?!??!?!??!!!!!!!!??!?!??!?!??!

Liz Upton says: 10th Jan 2016 at 9:58 pm

Unfortunately, we can only give stores as many copies as they order. In your case, it looks like they only ordered three; I hope your local branch will be ordering more in the future.

Pi Enthusiast says: 10th Jan 2016 at 10:17 pm

All the Microcenters that are even CLOSE to me are sold out. How am I supposed to get one? It seems impossible in the U.S. Is there any way to subscribe just for the issue, or do I have to order the three magazine subscription?

Liz Upton says: 10th Jan 2016 at 10:22 pm

A sub will be the easiest (and we don't do single-issue subs – that's not a thing), but if you keep checking Microcenter and Adafruit, they'll have stock of the Zero on its own. Shipments are happening regularly, but stores are selling out very quickly, so it's worth using a browser addon to poll Adafruit regularly.

Pi Enthusiast says: 10th Jan 2016 at 10:55 pm

Thanks, Liz. Maybe one of these days, I'll actually get my hands on one!

Pi Enthusiast says: 10th Jan 2016 at 11:37 pm

Bythe way, is there any way to get the cable kit without subscribing?

emre zanbak says: 11th Jan 2016 at 5:50 pm

Perfect device. Where can I buy it?

-> 0 in Stock !

I'm a teacher and I live in Brazil. Unfortunately, Raspberry Pi Zero is out of stock in every store. I'd loved to use at school. :/

Tristan Smith says: 12th Jan 2016 at 7:04 pm

Thanks Upton's! Got mine a few days back from Barnes & Noble with the MagPi. Got super lucky! They only had three in stock.

Barnaby Stingwing says: 13th Jan 2016 at 3:15 pm

Okay, apologies for the last comment which you've removed. I see why my wording may have been taken in a negative way. Let me have another go.

Can you explain about the stock pipeline for the zero? When are eager, positive, repeat customers like me (I have a total of 7 Raspberry pi of differing ages and types) likely to be able to buy one?

Pi Enthusiast says: 18th Jan 2016 at 5:49 pm

Itseems Adafruit isn't getting any more in stock, either that or I have to check my email every 2 minutes. Everywhere I look, it is out of stock. Been over two months since it's release, and I still can't find it anywhere in the U.S. I'm a Junior High student, so I don't have a flexible schedule, and I live nowhere near large cities. It seems I'll never get one …

David says: 19th Jan 2016 at 8:32 am

I'm planning to build bulbs which will adjust their brightness depending upon music device connected to it, is it doable with raspberry pi?

thanks in advance

Venu says: 19th Jan 2016 at 8:28 pm

Any ideas on when more of the Raspberry Pi zero's are available in the UK with any of the distributors…?

Conundrum says: 20th Jan 2016 at 7:01 am

Hi, have two Zeros here.

Has anyone managed to get them to talk to each other without complex network hubs/etc?
Figured using the SPI interface or something similar but this would be very slow.
Perhaps there's a way to send data over the composite video output somehow as both units share common clocks, if you wanted to go all retro and still get >200 Mbit/sec (ie low end broadband) speeds?
Would just be a matter of synchronizing them which is trivial.

Stefan says: 20th Jan 2016 at 1:22 pm

ohwhy didnt I buy one or 2 zeroes ;(.. wonder when they'll be restocked (if ever?)

Spock says: 21st Jan 2016 at 3:57 pm Hi

,
What is wrong with supply chain ? It's 3 months since release and still I can't get it anywhere in Europe ?
Any estimate when supply chain will stabilize ? I can't believe that i.e farnell is ordering limited amounts.

Juan Carniglia says: 21st Jan 2016 at 4:24 pm

InArgentine, you just can't get the Raspberry PI Zero, nor any other via shipping. There are local vendors though, that offer the previous models (including PI 2), albeit at a much higher price. A Raspberry PI 2, goes for around 90 USD. So we just have to wait for someone to go abroad and bring them over.

bik says: 22nd Jan 2016 at 1:36 am

Finding a Pi Zero is currently a lottery …
I suggest foundation make a Pi Zero lottery =
1/ 25 Pi Zero to winners in each continent.
2/ £n to buy ticket online.
3/ profits from lottery pay for Pi's donated to schools.

It can be extended to a second lottery for Pi2, ticket prices higher.

Echo Recent-Mobile says: 22nd Jan 2016 at 3:12 pm

Can you update us about Rpi Zero stock levels? I'm really not at all sure why it's seemingly so tricky to keep people up to date. You have loads of customers, who are frustrated, and keen to part with their cash. Are we talking days? Weeks? Months?

Helen Lynn says: 22nd Jan 2016 at 4:57 pm

Here is Liz's summary of what's happening from earlier this week:
https://www.raspberrypi.org/forums/viewtopic.php?
f=63&t=131605&p=886866#p886866

Echo Recent-Mobile says: 22nd Jan 2016 at 5:10 pm

Ok, that's fair enough, many thanks Helen.

Continued state of cat like readiness it is then, credit card in one hand, soldering iron in the other. Unsure what to do with my flux….

Cheers,

Echo.

Am says: 27th Jan 2016 at 7:39 am

Can I use this board without OS ?
Otherwise can I use this board with Native code? this board or Nano PI?

gnume says: 28th Jan 2016 at 4:27 pm

where is the documentation for this board ?

Eric says: 1st Feb 2016 at 9:43 pm

It's called "zero", because zero are available…

Isn't it open source? Can't any manufacturer build them?

David says: 2nd Feb 2016 at 9:22 am

Can i take flash photos of this new pi without it crashing?

I missed out on the first batch of Pi Zeros but I'm on a waiting list at Adafruit. When is the next production run going to take place? Approximately when can we expect more Zeros?

Leon Solent says: 5th Feb 2016 at 4:16 pm

I got an email from the Pi Hut last night, saying they had some Pi zeros. By the time I'd logged in, they were gone. I'm now done, and am giving up. Good news for the other frustrated wannabe buyers, and best of luck to the foundation but :
$people_wanting_a_pi_zero−;

Dimitris says: 9th Feb 2016 at 7:31 am

I have had my zero for a few days now and i assembling quite a few things i need for projects. Heres my review. The pi zero is pointless in my honest opinion. First off it has very few ports on it compared to its older siblings and it has low specs too. youll need to buy a usb port and a powered one to power the device if youd like to. Why not just spend 15 more bucks and get everything you need without any work with the other pi models. The only benefit i have from this model is im going to have to add on many of the ports i need via the hat ports. its good for learning i guess but i have to spend a lot to get good hdmi touchscreeen for it and i have to buy break off boards in order to add other devices and such. o well thats what its for though so i cant complain. Also youll end up spending just as much to make this run, so just get a regular pi model so you dont waste your money, trust me its only a single core with 512 mb ram. BUt if you really want one then sign up for MAGPI before its too late.

AndrewD says: 18th Feb 2016 at 2:45 pm

I think you may have missed the point of the Zero…. it's cheap, very cheap and thats important if you want to make it available to a whole new audience of kids in schools that can't afford more expensive computers. Also, I envisage that this will be used for headless projects… write your code, connect to GPIO, and never even have to connect a monitor, keyboard or mouse. Automating projects for $5 is amazing!

Just my 2c

Dimitris says: 22nd Feb 2016 at 12:49 pm

That would be cool If it could sell for 5 bucks but it doesnt. Its going to cost you 20+ dollars for this without shipping. Unless they actually sell it themselves then yes but as far as i can see you can get one locked in for 20 dollars without cords that you must have. Kids could spend 10 dollars more and still be able to code with better accessibility to the board on older pi models. Just saying your not missing much here. Im currently going to use mine with a touch screen display im making. I just bought a 5 touch resistive panel for a 19inch old screen i have. I want to run adobe cs2 to work on my animations. If i at all decide to upgrade my pi we should stay in contact and maybe i can spare you my zero if you actually were to use it. Ill let you know how it goes also heres a site i found http://www.everbuying.net/product1134108.html?
currency=USD&gclid=CjwKEAiAgKu2BRDu1OGw3-
KXokwSJAB_Yy2QOIUywwChkbmaLusvBO_pOLltveuxesUNJI2cSDpLlxoCq8zw_wcB

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r mohamed anas says: 11th Feb 2016 at 8:55 am

how to buy this module in india

Mash says: 13th Feb 2016 at 5:29 pm

Please increase the production so that's it's available to all, waiting since the launch in India.

How can i get one in Italy? Please i'm searching everywhere

Elman says: 18th Feb 2016 at 5:32 pm

Hello!Where i can buy raspberry pi zero 5$?

Paulus says: 18th Feb 2016 at 6:02 pm H

i

estimated times for new orders?

James S. says: 19th Feb 2016 at 5:09 am

Why bother? Every store in the US is out of stock on the Zero, but magically has kits with Zero available. The magazine with the free Zero never hit the shelves (I was checking every day since the announcement) When the January edition hit the shelves I asked "what gives", and was told it was out of their control.

I think it is great that there is so much positive energy around the Zero and I wish Raspberry Pi nothing but the best. As for me I'm so frustrated, upset that at this point I WILL NEVER buy one. There is too much corruption in the market place.

And for the stores out there who are caching in on the success by selling kits all I can say is SHAME ON YOU for taking advantage of those who are looking for the product. Your kits are nothing more than gouging.

I don't need it, I don't want it, and I will no longer shop at your store anymore.

john anderson says: 19th Feb 2016 at 3:57 pm

Been trying to get one of these since November!
Frustration doesn't describe my annoyance.
Why not share what is going on with the community, that way at least we can understand what's gone wrong and when or if we are likely to see one!

Brizeux says: 20th Feb 2016 at 10:45 am

Raspberrypi.org has a huge communication problem. We are waiting in France since December 2015 for kits raspberry Pi zero budget and not any news since 27th of November. Can you, I pray you, communicate on the possibility to afford it and when. Now we are lost in English channel Fog ! Friendly. Yves.

Dimitris says: 22nd Feb 2016 at 12:40 pm

http://www.everbuying.net/product1134108.html?
currency=USD&gclid=CjwKEAiAgKu2BRDu1OGw3-
KXokwSJAB_Yy2QOIUywwChkbmaLusvBO_pOLItveuxesUNJI2cSDpLIxoCq8zw_wcB not
sure if its worth it without the cord for the hdmi but its worth a shot for anyone who
wants one

Dimitris says: 22nd Feb 2016 at 1:13 pm

https://shop.pimoroni.com/products/raspberry-pi-zero even better but no shipment date
and this is on the website people can people you couldnt see it says look at out vendors.
i choose one till it claimed to have stock.

Ifyou live outside UK or USA your only option to get a Pi Zero now is to order from the four shops in those countries, according to "Pi Zero schedules"
https://www.raspberrypi.org/forums/viewtopic.php?f=63&t=135081
I did so yesterday and ordered the Pi Zero Complete Starter Kit from Pimoroni. Shipping to Sweden cost £4.

Cornel says: 28th Feb 2016 at 11:08 am

Hi,

i'd be glad to read about a Pi Zero with WiFi included in the future. Unfortunately the only usable USB-(micro)-port is occupied by the Wifi-Dongle, so it reduces the usage of the Pi Zero. Perhaps an idea for the future?

Greetings from Germany
Cornel

Krish says: 28th Feb 2016 at 10:24 pm

Itis available in fairfax microcenter, VA. There is a lot PI Zero. All kind of accessories also available there.

Krish says: 28th Feb 2016 at 10:25 pm

Find Here:
http://www.microcenter.com/product/457746/Zero_Development_Board

Over-50 says: 1st Mar 2016 at 8:08 am

AnX-Ray of the Raspberry Pi Zero can be found here:

https://www.flickr.com/photos/ultrapurple/25263371932/in/dateposted/

It's fascinating to see just how much engineering and design has gone into such an inexpensive piece of kit!

bb says: 1st Mar 2016 at 10:49 am

I can pull wire connected 5v ??
In pin2 and pin 20
I then use two usb device you ??

Helen Lynn says: 1st Mar 2016 at 10:59 am

Our forums are the best place to ask this sort of question – comments on old blog posts are not usually monitored very closely.

Richard Barker says: 2nd Mar 2016 at 12:49 am

Will the Pi-Zero ever be produced again and distributed at $5 per micro-computer ever again?

James Hughes says: 2nd Mar 2016 at 9:35 am Y
                                                                                   e
s.

Itwould be niche if we could get a little more than just a "Yes". Will that be 10, 1000 ore 1 000 000? And when …

Helen Lynn says: 7th Mar 2016 at 1:15 pm

This MagPi article answers the question slightly more expansively than James:
https://www.raspberrypi.org/magpi/raspberry-pi-zero-production-getting-on-track/

Brizeux says: 22nd Mar 2016 at 9:54 am

Quand "raspberrypi.org" fera t' elle une communication digne de ce nom sur les Kits RaspberryPi zero budgets ? C'est une veritable catastrophe de Marketting. J'attends en France depuis la Mi-Décembre 2015 (pour Noël) et près de Paques, ce 22 Mars 2016 aucune information de Raspberry. Juste une pirouette pleine de gene pour dire que 2 boites aux USA et 2 boites en GB vont en recevoir. Rien pour la France. Cela me rend triste… Amicalement.
Quel dommage apres une si bonne idee de produit !

Ian Hollis says: 3rd Mar 2016 at 10:02 am

I wouldn't worry about slow if I were you folk. I just found the Dec 15 MagPi finally arrived at my local newsagent last week. Perth Western Australia. Many overseas Mag's take 2-3 months to get here via "aquamail" Costs $13.95 Australian. I got my PiZero as a free gift. I'm so glad to have mine.

I now have Pi-1B, Pi-2B and now Pi-0. Soon to get a Pi-3B for Kermit – my Pi-Top laptop.

Vitalie Ghelbert says: 13th Mar 2016 at 8:46 pm

Tomorrow is Raspberry Pi Holly Day: 14 March 2016.

Thank You for RPi Zero. :)

Joe Blogs says: 16th Mar 2016 at 8:48 am

I believe Raspberry PI zero is too "disruptive" for the man's business model. There is no margin in it.

slowflyer says: 22nd Mar 2016 at 10:48 am

When will the ZERO be available again?

If performance is ok for planned project, I would need a few more …

Gabriel says: 1st Apr 2016 at 8:34 am

Hi, I have the same question about the availability. Maybe this product is discontinued ? Or new product come soon ? Is that possible to have a roadmap about all the raspberry products ?

Sandrine Marquis says: 6th Apr 2016 at 4:08 pm

I wish this thing really exist…

Every one talks about it and no one has seen one.

I have 3 of them. Their production has some issues since the Raspberry PI foundation is running the production themselves. To my understanding, No other manufacturer would do it with such low profit margins.

I had to pick mine up from Microcenter in Marietta GA. They limit one per person, but I've gone back a few times, and I usually go with a friend to have him/her pick one up too

Zei says: 8th Apr 2016 at 8:11 am

When will there be more RPI Zero's? There's pretty much no way to get them in Australia for less than AUD$50.

chinaes-shv says: 9th Apr 2016 at 9:18 am

Ifthere is new "RASPBERRY PI ZERO", please inform me.chuaoye@163.com

Kevin says: 18th Apr 2016 at 12:59 pm

Ifthere is new "RASPBERRY PI ZERO", please inform me.
littleairman@163.com

Helen Lynn says: 18th Apr 2016 at 1:16 pm

Your best bet is to sign up for our official online and email newsletter, Raspberry Pi Weekly.

John Derrick says: 30th Apr 2016 at 4:16 pm

Aussies really are getting ripped blind here. $5 is not $40 which is the going rate as they only sell them as kits here in Australia. That's just bat-shit crazy prices

Don Payton says: 13th May 2016 at 12:23 am

Well it is May now and we are 6 months after the release of the Pi Zero. I read that you were ramping up production but everywhere I look it is always out of stock or it limits you to 1 if you happen to catch it. What is the deal?? Are you guys going to get these out there or not???

Jakob says: 13th May 2016 at 12:47 am

Adafruit just restocked the budget packs briefly the other day.. got mine Monday :D there is hope!

Tsvetelin Velkov says: 13th May 2016 at 8:46 am

Itis currently out of stock everywhere. Please, produce more :) When do you expect to re-supply the distribution network? I plan to use the module in my robot. I need a USB hub, WiFi adapter, LCD graphical and text display, joystick. Please, put a list of recommended cheap, chinese and available on ebay HW. Thank you!

Wesley says: 14th May 2016 at 2:25 am

I'm not buying one of these until they are sold at MSRP. Honestly, I don't care how long I have to wait. I love the Pi, but at this rate I would rather buy the Pi3 than spend more money for the Zero. I'm hoping that they are stalling production because they're going to include WiFi, or BTLE in the next iteration.

What do you mean stalling production? They are being made as fast as possible…..!!!
And when you buy from one of the official distributors, they are at the MSRP.

Adding features WILL increase the price dramatically, to the point where you may as well
buy an A+.

Not sure why people find that so difficult to understand – more features = increased
cost.

Derek says: 16th May 2016 at 10:56 pm

Can a customer use the Pi Zero as a production board?
10-20k per year

James Hughes says: 17th May 2016 at 10:38 am

You could use it as a production board, but it's not available as individual sales in those
quantities. The other models are, so you might want to look into those. Or use the RS
design you own board facility.

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