Subject: Raspberry Pi
Posted by mirek on Mon, 07 Nov 2011 16:59:13 GMT
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http://en.wikipedia.org/wiki/Raspberry_Pi

Are you getting one?

I do. I believe that it will be 'ultimate' low-power/low-performace platform to play with

(but then we have started developing U++ when 200Mhz Pentium I was standard target platform for U++ apps. 700Mhz ARM should be just fine for running theide. And BLITZ can possibly make compilation bearable

Subject: Re: Raspberry Pi
Posted by koldo on Mon, 07 Nov 2011 20:37:42 GMT
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Hello Mirek

How did you make the order?

I wanted to do a very low cost security system with camera and modem for my mom (and later for me).

Subject: Re: Raspberry Pi
Posted by mirek on Tue, 08 Nov 2011 05:39:35 GMT
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koldo wrote on Mon, 07 November 2011 15:37Hello Mirek

How did you make the order?

It should be first available in December...

Subject: Re: Raspberry Pi
Posted by mr_ped on Tue, 08 Nov 2011 08:33:42 GMT
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I'm looking on it as well, not sure what I would do with one, but $35 sounds right to me. Actually

it's crazy, considering the computing power of that board. (700MHz RISC processor and OGL chip if I understand the specs correctly)

Let me know for sure if you get one finally and how does it work. (maybe time for another Prague live session to see U++ running on it)

Subject: Re: Raspberry Pi
Posted by mirek on Tue, 08 Nov 2011 10:17:55 GMT
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mr_ped wrote on Tue, 08 November 2011 03:33I'm looking on it as well, not sure what I would do with one, but $35 sounds right to me. Actually it's crazy, considering the computing power of that board. (700MHz RISC processor and OGL chip if I understand the specs correctly)

Let me know for sure if you get one finally and how does it work. (maybe time for another Prague live session to see U++ running on it)

Actually, I have hoped for sooner date

Mirek

Subject: Re: Raspberry Pi
Posted by kohait00 on Tue, 08 Nov 2011 13:41:17 GMT
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sounds damn interesting.. this is one of the most cost effective boards i have seen..

Subject: Re: Raspberry Pi
Posted by mirek on Tue, 08 Nov 2011 15:49:39 GMT
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mirek wrote on Tue, 08 November 2011 05:17mr_ped wrote on Tue, 08 November 2011 03:33I'm looking on it as well, not sure what I would do with one, but $35 sounds right to me. Actually it's crazy, considering the computing power of that board. (700MHz RISC processor and OGL chip if I understand the specs correctly)

Let me know for sure if you get one finally and how does it work. (maybe time for another Prague live session to see U++ running on it)

Actually, I have hoped for sooner date

Mirek

Ops, now I see this could be interpreted two ways. I meant sooner date for 'live session'. I do not

expect Pi to available sooner than next year...

Subject: Re: Raspberry Pi
Posted by Wolfgang on Wed, 16 Nov 2011 16:43:08 GMT
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It looks nice... the B Model would be able to be a real effective home server (maybe with a kind of asterisk?).

Do you know if it will be avaiable in germany? I'm REALLY interessted..

Subject: Re: Raspberry Pi
Posted by mirek on Wed, 16 Nov 2011 17:21:48 GMT
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Wolfgang wrote on Wed, 16 November 2011 11:43
Do you know if it will be avaiable in germany? I'm REALLY interessted..

Why do you need it to be available in Germany? I guess they will be shipping worldwide...

Subject: Re: Raspberry Pi
Posted by Wolfgang on Wed, 16 Nov 2011 18:51:22 GMT
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If they do I don't need it extra avaible in germany... but then they dont ship worldwide it would be nice to be able to get one.

Subject: Re: Raspberry Pi
Posted by harmac on Fri, 18 Nov 2011 01:39:12 GMT
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Quite attractive at that price, although shipping costs may well make it less attractive. Thanks for the pointer. I remember that the name didn't catch my attention when I read it some time ago while browsing the ReactOS forums. On the other hand, it is only a naked board and you'd probably get similar hardware if you bought one of these ultra-low-cost laptops on eBay (prices vary depending on screen size (7 to 10.2 inch) and processor speed (266 to 800 MHz) between around 75 and 125 USD including shipping), which appear to be around since late 2009.

There is some interesting hardware around that should be capable of decently running graphical applications at a cost lower than what you'd pay for an ordinary computer. As you say 200 MHz processors used to be a target for U++ applications, I wonder whether it would be possible to get U++ applications running on independently developed hardware, driven for instance by modern

microcontrollers like the upcoming version of the Parallax Propeller, perhaps also without any or with a custom operating system (could Rainbow be used for that?). I for one would very welcome U++ support for embedded targets.

Subject: Re: Raspberry Pi
Posted by mirek on Fri, 18 Nov 2011 13:55:48 GMT
View Forum Message <> Reply to Message

harmac wrote on Thu, 17 November 2011 20:39Quite attractive at that price, although shipping costs may well make it less attractive. Thanks for the pointer. I remember that the name didn't catch my attention when I read it some time ago while browsing the ReactOS forums. On the other hand, it is only a naked board and you'd probably get similar hardware if you bought one of these ultra-low-cost laptops on eBay (prices vary depending on screen size (7 to 10.2 inch) and processor speed (266 to 800 MHz) between around 75 and 125 USD including shipping), which appear to be around since late 2009.

Yes. I am quite aware about it, but I guess the difference this time is in software support. IMO it is much better to have it running some latest Linux SW out of hand than spending time jailbreaking and installing something.

Also, for real fun, using ordinary LCD display with reasonable resolution and normal keyboard/mice is better...

Subject: Re: Raspberry Pi
Posted by kohait00 on Wed, 01 Feb 2012 11:49:50 GMT
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check out this one...

http://aseigo.blogspot.com/2012/01/reveal.html

seems as if there is really time to think about upp going touched / tablet based..

EDIT: thats the GUI used
http://plasma-active.org/

Subject: Re: Raspberry Pi
Posted by Wolfgang on Wed, 01 Feb 2012 11:55:21 GMT
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but this is a completly other "device" / it aims to other things then the raspberry... but it is really

nice!

Subject: Re: Raspberry Pi
Posted by kohait00 on Wed, 01 Feb 2012 15:16:00 GMT
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yes you're right...
just wanted to point out that embedded is evolving really nice way and upp should be a good choice for it..

Subject: Re: Raspberry Pi
Posted by drjo1952 on Mon, 20 Feb 2012 03:51:03 GMT
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We have Ultimate++ running on Gumstix, Freescale i.MX53 (loco), and the Pandaboard, including full native IDE compilation on the arm platform itself (no cross-compilation required). Native compilation can only be done on the Gumstix with 512MB of memory since the linking stage of IDE build and application build takes lots of memory. Native compiles are somewhat slow on these arm platforms but are considerably sped up if a SATA drive is used to host the operating system. (SATA support is available directly on the Freescale and is available with a USB to SATA adapter on the other platforms). We have several active programs using arm-based Ultimate++ executables running critical embedded apps and more are coming all the time. Unfortunately, the details of most of the apps are ITAR controlled but we are willing to share some basic configuration details and examples if people are interested...

Scott Tilden, PhD
Denton Research Group, U of Arizona

Subject: Re: Raspberry Pi
Posted by jibe on Wed, 22 Feb 2012 08:30:32 GMT
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Hi,

For those looking for small boards, there is also alix boards

Somebody gives his first impressions here.

I never had the opportunity to use that myself, but a friend of mine uses 2 under Linux Voyage : one as firewall and another as IPBX with Asterisk. According to him, it's a very cheap and good solution !

Subject: Re: Raspberry Pi
Posted by Wolfgang on Wed, 22 Feb 2012 08:52:08 GMT
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but the prices are about 145 EUR (just tried on ebay) - this isn't really "cheap" if you take a look on the raspberry project.

Subject: Re: Raspberry Pi
Posted by jibe on Wed, 22 Feb 2012 21:36:01 GMT
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Yes, I didn't payed attention to the extremely low price of raspberry...

But I think that the price on ebay is not good : here are the real prices of alix boards.

Subject: Re: Raspberry Pi
Posted by Didier on Thu, 17 May 2012 10:59:02 GMT
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Hello Scott,

I will be using U++ on an ARM board shortly along with LCD screen and touchpad, not quite sure which model of board yet (Rasberry-PI availability isn't good enough for the moment).

So if you have a config examples, UPP modifications It would save me a bunch of time !!!

Thanking you in advance

Subject: Re: Raspberry Pi
Posted by koldo on Thu, 17 May 2012 11:33:47 GMT
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I asked one but I am still waiting for it. Of course I will try U++ .

Subject: Re: Raspberry Pi
Posted by Didier on Thu, 17 May 2012 14:00:20 GMT
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Hy Koldo,

or 70000 .... I don't know when I will get one.

Patience is root of all wisdow

Subject: Re: Raspberry Pi
Posted by Didier on Thu, 17 May 2012 14:13:10 GMT
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The boards I'm actually targeting for the moment are the following:

http://friendlyarm.net/products/mini2440
http://friendlyarm.net/products/tiny210
https://www.gumstix.com/store/product_info.php?products_id=2 64
https://www.gumstix.com/store/product_info.php?products_id=2 11
http://www.variscite.com/products/item/32-var-som-am35
RasberryPI ????? when really available

If some of you have some experience with these boards or at least the quality of their linux packed with the boards the info would help me in making my final choice.

Subject: Re: Raspberry Pi
Posted by Wolfgang on Wed, 23 May 2012 10:39:50 GMT
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Waiting for the raspberry.... pre-ordered from both german distributors...

Subject: Re: Raspberry Pi
Posted by kohait00 on Wed, 23 May 2012 14:44:57 GMT
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check out this one, 49 bucks for an android based PC from VIA..

http://apc.io/about/

Subject: Re: Raspberry Pi
Posted by Wolfgang on Wed, 23 May 2012 18:27:21 GMT
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kohait00 wrote on Wed, 23 May 2012 16:44check out this one, 49 bucks for an android based PC from VIA..

http://apc.io/about/

Server not found...

Subject: Re: Raspberry Pi
Posted by koldo on Wed, 23 May 2012 19:22:11 GMT
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Hello Wolfgang

Yes, now it does not work, but some hours before it worked.

It is strange: almost no info, some pictures of a card similar to Raspberri Pi and some screen views similar to a tablet (is it a card or a tablet?)-

---

Subject: Re: Raspberry Pi
Posted by kohait00 on Wed, 23 May 2012 21:18:51 GMT
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sorry for the broken link, i swaer, it was online this morning. seems as if VIA got cold feet

here comes another second source

http://www.engadget.com/2012/05/22/via-technologies-outs-49- apc-android-barebones/

http://vr-zone.com/articles/via-announces-ultra-affordable-4
9-android-pc-we-go-hands-on/15949.html#

Subject: Re: Raspberry Pi
Posted by Wolfgang on Thu, 24 May 2012 19:40:11 GMT
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Wow, the 49$ thing looks nice!

But is Android the only OS planned?

Subject: Re: Raspberry Pi
Posted by Wolfgang on Thu, 31 May 2012 19:40:47 GMT
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Just ordered....
Quote:Description Qty. Units Unit Price Goods Value
Raspberry Pi Type B Single Board Computer

Micro USB Euro power supply for Raspberry Pi

Offers will be applied to your invoice

I can hardly wait...

Subject: Re: Raspberry Pi
Posted by jerson on Fri, 01 Jun 2012 09:34:29 GMT
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FWIW. I got this just today.

Quote:Message: 18
Date: Thu, 31 May 2012 11:46:00 -0400
From: John Ferrell <jferrell13@triad.rr.com>
Subject: Re: [OT] Element14 and Raspberry Pi update.
To: "Microcontroller discussion list - Public." <piclist@mit.edu>
Message-ID: <4FC79238.2070303@triad.rr.com>
Content-Type: text/plain; charset=windows-1252; format=flowed

My number came up.
I ordered it with most of the options, just to rule out any unnecessary misadventures.
I have no idea what to do with it.
Strange that the Linux Fedora on a SD card is on back-order, hopefully that will change before the promised 6-week delay to ship is reached.
It does not matter though, I have no use for the product with out the software. It does seem strange that they don't simply post an ISO and instructions.
<<Unless, of course, it really don't work as promised>>

If it turns out to be a hoax or other misadventure, it won't be my first
time on that trip!
I don't plan on investing much more time until I receive the product...
They must have about a half million dollars in orders accepted now.

On 3/30/2012 7:56 AM, cdb wrote:
> Another update, with pretty pictures of desert in someone's garage.
>
> http://www.raspberrypi.org/archives/945#comments
> --
> cdb, colin@btech-online.co.uk on 30/03/2012
>
> Web presence: www.btech-online.co.uk
>
> Hosted by: www.justhost.com.au
>
>
> This email is to be considered private if addressed to a named individual
> or Personnel Department, and public if addressed to a blog, forum or news
> article.
>
>
>
>

--
John Ferrell W8CCW
?During times of universal deceit,
  Telling the TRUTH becomes a revolutionary act?
     George Orwell

Subject: Re: Raspberry Pi
Posted by jerson on Tue, 05 Jun 2012 03:56:36 GMT
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You might be interested in this

 http://dangerousprototypes.com/2012/06/04/from-the-forum-ras pberry-pi-review/

Subject: Re: Raspberry Pi
Posted by kohait00 on Tue, 05 Jun 2012 11:25:35 GMT
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this one is good too, though it's in german..

http://raspberrycenter.de/

Subject: Re: Raspberry Pi
Posted by jerson on Tue, 17 Jul 2012 01:01:05 GMT
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Now that RPi is available, there are other alternatives. I just came across this
http://www.hardkernel.com/renewal_2011/products/prdt_info.ph p?g_code=G133999328931

I thought I'd share it here for those who like such gadgets.

Cheers

Subject: Re: Raspberry Pi
Posted by kohait00 on Tue, 17 Jul 2012 04:54:12 GMT
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Looks good. Definitely better than the beagle Board, same price tag though.

The main and almost only attracting point of the rpi is its price for hardware ratio. The hardware by itself is more or less dead.
Currently no one offers so much for so little money.
Beagle Bone might be a comparable byt 3 times the price.
What about the goose berry?

[EDIT]
for my current home project (home automation with sensors, actors, interfaces, based on canopen, OSC, android, U++) the beaglebone will be the way to go. it is well equipped and sufficiently affordable. the raspberry isn't it, quite..
it'l be sorta
http://ninjablocks.com/
but less fancy and more functional

Subject: Re: Raspberry Pi
Posted by kohait00 on Wed, 05 Sep 2012 11:37:24 GMT
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another one for 49 bucks

http://www.engadget.com/2012/09/05/cubieboard-for-developers /

looks cute.. though i dont know what to think of alwinner a10 cpu..

EDIT:
some specs of the a10, though i dont have the specs for the board
http://tabletrepublic.com/forum/cortex-a8-allwinner-a10/allw inner-a10-a1x-features-140.html

Subject: Re: Raspberry Pi
Posted by kohait00 on Wed, 24 Jul 2013 06:33:39 GMT
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To refill this thread

parallell computing is coming. This one is a bomb i think.
imagine ultimate on it (in fact, this would be in system development)

http://www.parallella.org/board/

Subject: Re: Raspberry Pi
Posted by jibe on Fri, 20 Sep 2013 10:25:25 GMT
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Hi,

Interresting

You can also do supercomputers with Raspberry Pi. Explanations are here.

Subject: Re: Raspberry Pi
Posted by navi on Tue, 14 Oct 2014 09:36:37 GMT
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If anyone interested in emulating Raspberry PI on i386 and get their software development going without getting into GPIO programming can use QEMU to do just that. here is a tutorial how to emulate raspberry pi on Linux and Windows.

QEMU Emulating Raspberry Pi the easy way (Linux or Windows!)
http://xecdesign.com/qemu-emulating-raspberry-pi-the-easy-wa y/

QEMU Compiling for ARM (1176) emulation for Linux
http://xecdesign.com/compiling-qemu

raspbian image:
http://www.raspberrypi.org/downloads

I have tried and doing it for a hobby project for someone at this moment. I got the wheezy-raspbian happily emulating on QEMU on a Linux Mint on my laptop. At this moment I am working to create a GUI with Tkinter+Python to process and display some real-time data. On real raspberry system these data will be coming in via GPIO pins from a car engine. Also will be looking into a way to see if u++ can be use to do the GUI, though interacting with GPIO will be a challenge along with cross compiler going as discussed on this thread. Thus at this point only concentrating on ready made setup (Tkinter+Python).

p.s. if you want to run QEMU on an OS inside VirtualBox, make sure you have mouse integration disabled on VirtualBox. Or else QEMU can't get the mouse working properly.

Regards,
navi
