

CNXSoft – Embedded Systems News

News, Tutorials, Reviews, and How-Tos related to Embedded Linux and Android, Arduino, ESP8266, Development Boards, TV Boxes, Mini PCs, etc..

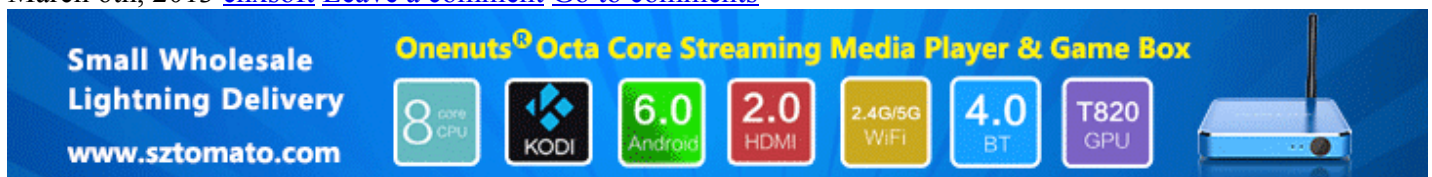
- [Home](#)
- [About](#)
- [Development Kits](#)
- [How-Tos & Training Materials](#)

- [Contact Us](#)
-

[Home](#) > [AllWinner A1X](#), [Graphics](#), [Linux](#) > \$49.90 MarsBoard is Yet Another AllWinner A10 Development Board

\$49.90 MarsBoard is Yet Another AllWinner A10 Development Board

March 6th, 2013 [cnxsoft](#) [Leave a comment](#) [Go to comments](#)



After the tablet based [Gooseberry](#) and [Hackberry](#) boards, as well as [Cubieboard](#) and the upcoming A10-Olinuxino development boards, here's another development board based on AllWinner A10 called the MarsBoard that looks very similar to the Cubieboard.

[Tweet](#)



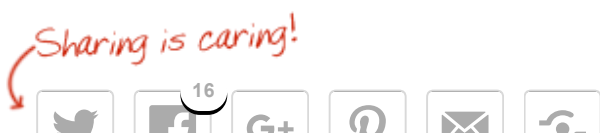
Here are the key features of the board:

- SoC – AllWinner A10 Cortex A8 @ 1 GHz + Mali-400 GPU
- System Memory – 1GB DRAM
- Storage – 4GB Flash + 1x microSD card (up to 32GB)
- Video Output – HDMI
- Audio Output – 3.5mm stereo jack
- USB – 2x USB host port + 1x microUSB
- Connectivity – 10/100 M Ethernet
- SATA Connector
- Headers – 2x 2.0mm GPIO headers. (140 pins in total)
- Power Supply Requirements – 5V/2A
- Dimensions – 80mm x 55mm

There's also a 3.5mm jack but I'm not sure if it's just for audio in or out, or for composite output. The website is still in construction (basically a modified copy of [Miniand Hackberry](#)) and the specifications do not match exactly the board shown in the picture as they just copied and pasted AK-212 mini PC specifications. [The [website](#) has just been updated]. There's also a [page on hotmcpu.com](#) where you should eventually be able to buy it (out of stock now) for \$49.99 including shipping.

It's so similar to the Cubieboard, except a few details (e.g. no audio in), that it should be software compatible, and you could just use [Cubieboard Quick Start Guide](#) to install your Linux OS of choice.

Via [arm-netbook mailing list](#).



This website uses cookies to improve your experience. We'll assume you're ok with this, but if you don't like these, you can remove them [Accept](#) [Read more](#)



Related posts:

1. [\\$49 Cubieboard: AllWinner A10 Open Hardware Development Board](#)
2. [\\$59 pcDuino – AllWinner A10 Board with Arduino Compatible Headers](#)
3. [Olimex A13-OLinuXino Could Become a Proper Raspberry Pi Alternative](#)
4. [Cubieboard Unboxing and Quick Start Guide](#)
5. [Olimex A13-OLinuXino-WIFI Developer Edition is Now Available](#)

Categories: [AllWinner A1X](#), [Graphics](#), [Linux](#) Tags: [Android](#), [cubieboard](#), [development board](#), [Linux](#), [marsboard](#)
[Comments \(20\)](#) [Trackbacks \(3\)](#) [Leave a comment](#) [Trackback](#)



1.

Johny007

March 6th, 2013 at 15:42 | [#1](#)

[Reply](#) | [Quote](#)

I wish the VPU would work with XBMC on Linux. Originally I bought Mele A1000, because it seemed faster and available sooner than RPi, but now I have RPi and it's great.



2.

Passante

March 6th, 2013 at 16:06 | [#2](#)

[Reply](#) | [Quote](#)

As far as I know, allwinner is not releasing VPU source so no linux hardware acceleration is possible for Allwinner devices. On Android instead, some closed source players can sign NDA so they have hardware accelerated playback.

i.e. Cubieboard will not ever be a rasppi alternative.

pls, correct me if I'm wrong.



3.

[cnxsoft](#)

March 6th, 2013 at 16:18 | [#3](#)

[Reply](#) | [Quote](#)

[@Passante](#)

Although VPU decoding “works”, there won't be XBMC Linux on AllWinner A10 devices, because there are artifacts during decoding in Linux, and AllWinner has no incentive to fix their binary libs.

Now there are many other things apart from XBMC you can do with a Raspberry Pi and Cubieboard, and in some cases the Cubieboard is a better alternative feature- and price-wise.



4.

[Rohith M](#)

This website uses cookies to improve your experience. We'll assume you're ok with this, but if you don't like these, you can remove them [Accept](#) [Read more](#)

Hmm already sold out ! This could make a perfect WIFI drive, or Home media server coupled with 1 tb sata.



5.

[cnxsoft](#)March 6th, 2013 at 17:22 | [#5](#)[Reply](#) | [Quote](#)[@Rohith M](#)

My guess is that it has never been up for sale until now. So they just write “sold out”, until they have stock.



6.

Thomas Knutsen

March 6th, 2013 at 18:56 | [#6](#)[Reply](#) | [Quote](#)

i can add to cart, but stock is 0.



7.

d1dd1

March 6th, 2013 at 19:14 | [#7](#)[Reply](#) | [Quote](#)[@Rohith M](#)

From Live-support:

“The MarsBoard is manufacturing. Expected 10 to 15 days, or even longer can be completed. We can not determine the specific time, but we can be sure that the end of this month certainly can be available and shipping. If you are interested in MarsBoard and can be purchased directly. When the MarsBoard available, we will be shipped as soon as possible. Thank you for your understanding and support.”



8.

[cnxsoft](#)March 6th, 2013 at 22:09 | [#8](#)[Reply](#) | [Quote](#)

Schematics: http://linux-sunxi.org/images/2/24/MarsBoard_Schematic_V1.3.pdf



9.

[Rohith M](#)March 7th, 2013 at 00:32 | [#9](#)[Reply](#) | [Quote](#)[@d1dd1](#)

Thanks for letting me know that. 😊 .



10.

[Rohith M](#)March 7th, 2013 at 01:30 | [#10](#)[Reply](#) | [Quote](#)

I am able to checkout ! Not sure if i have to continue with payment or not ? what you think guys ?

This website uses cookies to improve your experience. We'll assume you're ok with this, but if you don't like these, you can remove them [Accept](#) [Read more](#)



11.

Simon

March 7th, 2013 at 03:03 | [#11](#)[Reply](#) | [Quote](#)

Just a note to CNX; Tom Cubie reported that they are producing a new batch of 3000 Cubieboards. Manufacturing started on the 5th March and they will be made available by mid March. Source: Tom on cubieboard discussion list (Google Groups).



12.

[cnxsoft](#)March 7th, 2013 at 10:17 | [#12](#)[Reply](#) | [Quote](#)[@Simon](#)

Thanks. Nice to know! Many people seem to have problem getting hold of the board.



13.

[mohnkhan](#)March 10th, 2013 at 01:37 | [#13](#)[Reply](#) | [Quote](#)

Cubie boards are currently in stock at [miniand.com](#) I just bought one set, adding to the arsenal of board collection.



14.

John E

March 10th, 2013 at 10:24 | [#14](#)[Reply](#) | [Quote](#)[@Passante](#)

You are misinformed on two counts;

<http://libv.livejournal.com/23886.html> Mali-400 open source drivers from the Lima project running Quake 3.

Secondly, the GPU specs for the RasPi are even less available, and the RasPi does not run with 3D acceleration. The thing is that some of the key developers work for Broadcomm, and so would be less likely to reverse engineer the RasPi GPU. That said, some OpenGL ES is available from RasPi core team.



15.

Marius

March 11th, 2013 at 01:50 | [#15](#)[Reply](#) | [Quote](#)[mohnkhan](#) :

Cubie boards are currently in stock at [miniand.com](#) I just bought one set, adding to the arsenal of board collection.

Are you sure ? Shows out of stock to me.



16.

Tom

This website uses cookies to improve your experience. We'll assume you're ok with this, but if you don't like these, you can remove them [Accept](#) [Read more](#)

Can anyone suggest a source for cases for the Marsboard? Either a single board enclosure or a rack for 5-10 boards.



[cnxsoft](#)

March 29th, 2013 at 14:00 | [#17](#)

[Reply](#) | [Quote](#)

[@Tom](#)

Try to ask on their forums – <http://www.marsboard.com/forums/>

Maybe they have plans to make a casing, or could give ideas for a rack mount.



[zoel](#)

April 25th, 2013 at 23:24 | [#18](#)

[Reply](#) | [Quote](#)

I saw two type of marshboard chipset with cortex A8 and Built in Freescale newest i.MX6 Cortex-A9 Dual Core (view here : <http://www.embest-tech.com/shop/star/marsboard.html>) , that is true?



[cnxsoft](#)

April 26th, 2013 at 11:15 | [#19](#)

[Reply](#) | [Quote](#)

[@zoel](#)

Yes, there's the MarsBoard (no space), and the Mars Board (with a space): <http://www.cnx-software.com/2013/04/02/99-mars-board-features-freescale-i-mx6-dual-4gb-emmc/>



[cnxsoft](#)

June 14th, 2014 at 10:33 | [#20](#)

[Reply](#) | [Quote](#)

There's also MarsBoard A20 – http://www.hotmcu.com/new-marsboard-a20-dev-board-p-67.html?cPath=34_33

Debian and Lubuntu with HDMI,VGA,LCD output can be downloaded @

http://www.marsboard.com/new_marsboard_a20_download.html

Or FTP -> <http://www.haoyuelectronics.com/service/A10-A20>

1. March 8th, 2013 at 13:51 | [#1](#)

[มาอีกรอบ MarsBoard ใช้ Allwinner A10 | Ultimateohm's Blog](#)

2. April 2nd, 2013 at 11:25 | [#2](#)

[\\$99 MarS Board Features Freescale i.MX6 Dual, 4GB eMMC](#)

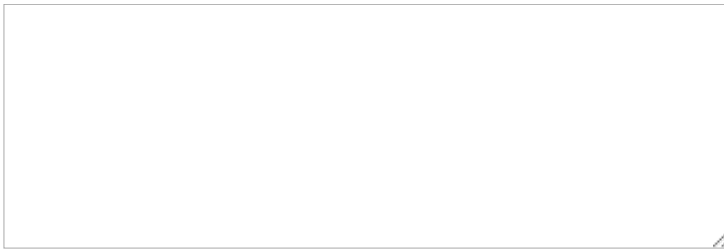
3. June 16th, 2014 at 10:35 | [#3](#)

[There's a New MarsBoard A20 ARM Linux Development Board In Town](#)

Name (required)

E-Mail (will not be published) (required)

Website



[Subscribe to comments feed](#)

Submit Comment

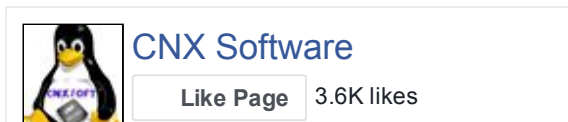


[Linaro Connect HK Greg Kroah-Hartman Keynote: "I Don't Want Your Code!"](#) [UNUIGA U28 Android 4.1 mini PC Powered by AllWinner A31](#)
[RSS](#)

[Twitter](#)

 [Google +](#)

[Subscribe to CNXSoft Blog by Email](#)



Recent Comments

[Dat Le](#) on [Xiaomi Introduces Mi Box 3c and 3s TV Boxes with Artificial Intelligence Capabilities](#)

[Sven](#) on [MINIX NEO Z83-4 mini PC Review – Part 2: Windows 10 and Benchmarks](#)

This website uses cookies to improve your experience. We'll assume you're ok with this, but if you don't like these, you can remove them [Accept](#) [Read more](#)

[kentec](#) on [Vorke Z1 Amlogic S912 Android TV Box Comes with 3GB DDR4 Memory](#)

[Sgt Pepper](#) on [VideoStrong KII Pro Android Set-top Box with DVB-T2 & DVB-S2 Tuners Comes with 2GB RAM](#)

[cnxsoft](#) on [Debian on DragonBoard 410c Development Board](#)

[Subscribe to Comments RSS Feed](#)

Sponsors

Embedded Android
Touchscreen LCD
WiFi, GPS, Bluetooth



[Datasheet](#) **GATEWORKS**

UGOOS
SMART IDEAS



UGOOS UT3+

- KODI
- Android
- WiFi
- 4K ULTRA HD
- 2GB RAM
- RK3288 Rockchip
- 16GB eMMC
- H.265 HEVC

HDMI IN PIP PVR



Quad Core Stick
ATV195E

Android 5.1 Lollipop

- QUAD CORE
- H.265 10-bit
- UHD 4K x 2K
- 64 bit

Geniatech



[Become a sponsor](#)

Buy Development Kits, Tablets and STB

- Buy [Raspberry Pi](#) & [Arduino Boards](#) and Accessories, and Other [Development Boards](#)
- [Low Cost Android Tablets and STBs on dx.com](#)
- [GearBest](#)
- [Amazon](#)
- [GeekBuying](#)
- [Aliexpress](#)

Tags

This website uses cookies to improve your experience. We'll assume you're ok with this, but if you don't like these, you can remove them [Accept](#) [Read more](#)

[mini pc](#) [open source](#) [raspberry pi](#) [review](#) [samsung](#) [sdk](#) [set-top box](#) [smartphone](#) [som](#) [stb](#) [tablet](#) [tutorial](#) [TV](#)
[box](#) [ubuntu](#) [wifi](#) [windows 10](#) [xbmc](#) [yocto](#)



1577 readers
BY FEEDBURNER

[Top](#) [WordPress](#)

Copyright © 2009-2016 CNXSoft - [Embedded Software Development](#)

Theme by [NeoEase](#). Valid [XHTML 1.1](#) and [CSS 3](#).