

Can small companies upstream?

The story of an Industrial Camera manufacturer.

Ricardo Ribalda, PhD

Small vs BIG



Employees



Budget

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Quote Price vs. Fair Value Trailing Returns Financials Valuation Operating Performance Dividends Ownership

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Quote Key Ratios Short Interest News

1,944.30 **↑ 17.88** **0.93%**

1,952.00 × 25 1,952.90 × 1 1,932.25 — 1,955.00 21,118.0 / 910,852.1

Previous Close 1,926.42

10a 12p 2p 1,897.61

Year Range 931.75 — 2,050.50

Forward Div Yield —

Market Cap 948.3152 Bil

Investment Style Large Growth

Price/Sales 4.64

Price/Earnings 160.53

Consensus Forward P/E 70.92

Price/Book 27.10

USD | NASDAQ |
Last close prices updated as of Sep 20, 2018, 4:30 PM EST |
BATS BZX Real-Time Price

Scope



Industrial Grade



Commercial Grade

Problem

Starts easy



Qtec.com

Documentation

96Boards » Documentation

[All Docs](#) [Guides](#) [Consumer Edition](#) [Enterprise Edition](#) [IoT Edition](#) [Mezzanine](#) [Sp](#)




Welcome to the official documentation for 96Boards, this documentation is written by the 96Boards community and links to third party material.

Contents - Start Here

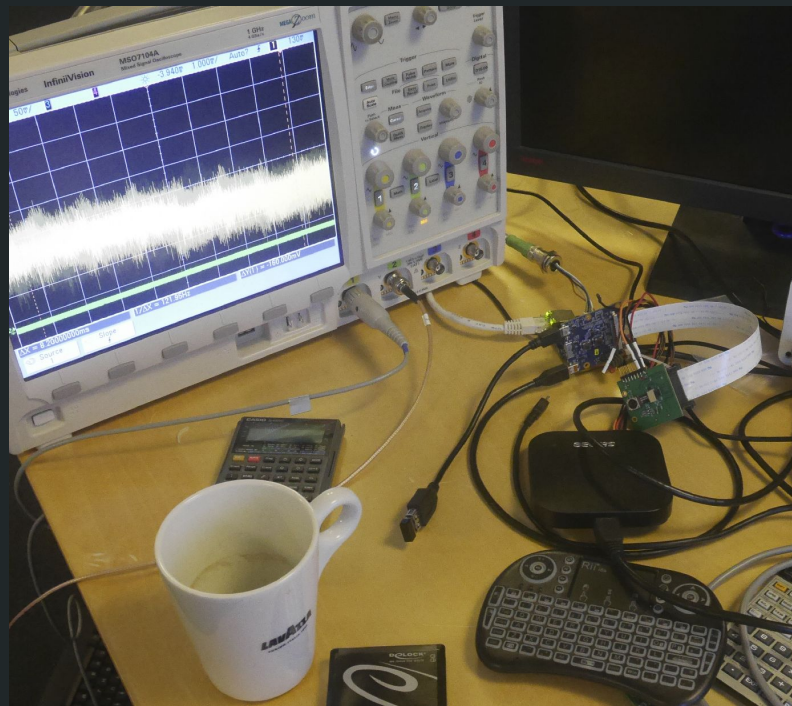
Select your platform for a list of supported products (left), or jump to 96Boards specific resources (right).

Important links:

- [96Boards Guides](#)
- [Contribute to this repository](#)

Platform	Description
<div>IoT Edition</div> 	Expand on all 96Boards with new interfaces, sensors, and control, and other embedded applications.
<div>Consumer Edition</div> 	These small, low-cost, and low-power boards are great for developers, makers, and hobbyists.
<div>Enterprise Edition</div> 	These powerful, reliable, ARM based boards are ideal targets for networking and industrial applications.

Complicates...



评论 ... 综合评分：4 积分/C币：5. [IMX214 datasheet 立即下载](#).

7805 DATASHEET-CSDN下载 - CSDN下载频道

<https://d.download.csdn.net/download/wmw123000/7836307> - Translate this page

高通MSM7225 datasheet 立即下载. 上传者: stonechenL007 时间: 2009-03-06 综合评分: 4 积分/C币: 5. [IMX214 datasheet 立即下载](#). 上传者: yantinghui198912 ...

Mouser Electronics, Inc.

<https://nz.mouser.com/QuickViewProdDetail.aspx?PartNum=842-LF...EVN...> ▼

For Use With: ECP5, IMX 214, LIF-MD6000, SiI136. Description/Function: Embedded vision.

Packaging: Bulk. Brand: Lattice ... [LF-EVDK1-EVN Datasheet ...](#)

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IMX214 PDF datasheet,IMX214 picture|price equivalent ...

<https://www.icpdfdatasheet.com/index.php?route=product/search&search=IMX214>

IMX214 PDF datasheet: icpdfdatasheet.com offers you the best IMX214 price,picture and IMX214 equivalent.

Searches related to imx214 datasheet

[sony imx214 smartphones](#)

[sony imx214 price](#)

[sony imx sensor datasheet](#)

[imx214 camera module](#)

[sony imx214 review](#)

[sony imx214 camera](#)

[imx135 datasheet](#)

[imx214 camera module datasheet](#)

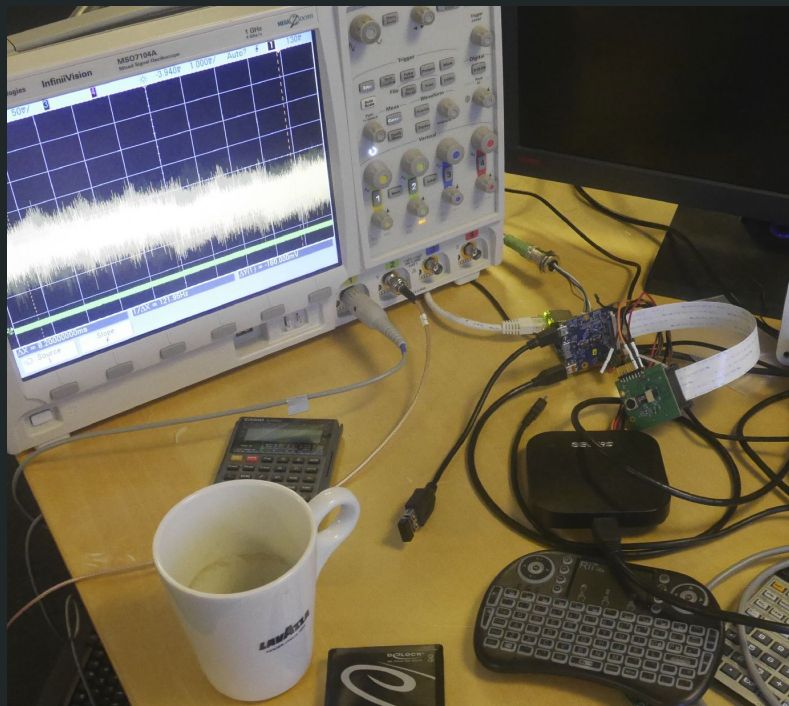


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 IMX214-0AQH5-C_3.0.0_Data_Sheet

 [wwhcq](#)

2017-10-10

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 421

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 举报

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SONY

Diagonal 5.867 mm (Type 1/3.06) 13Mega-Pixel
for Color Cameras

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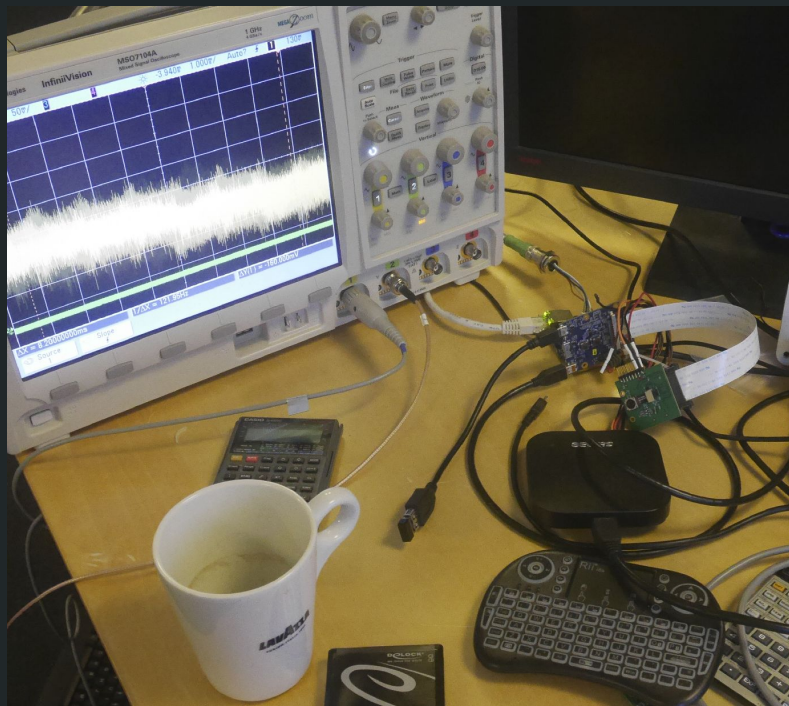
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IMX214-0AQH5-C_3.0.0_Data_Sheet

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imx135 datasheet

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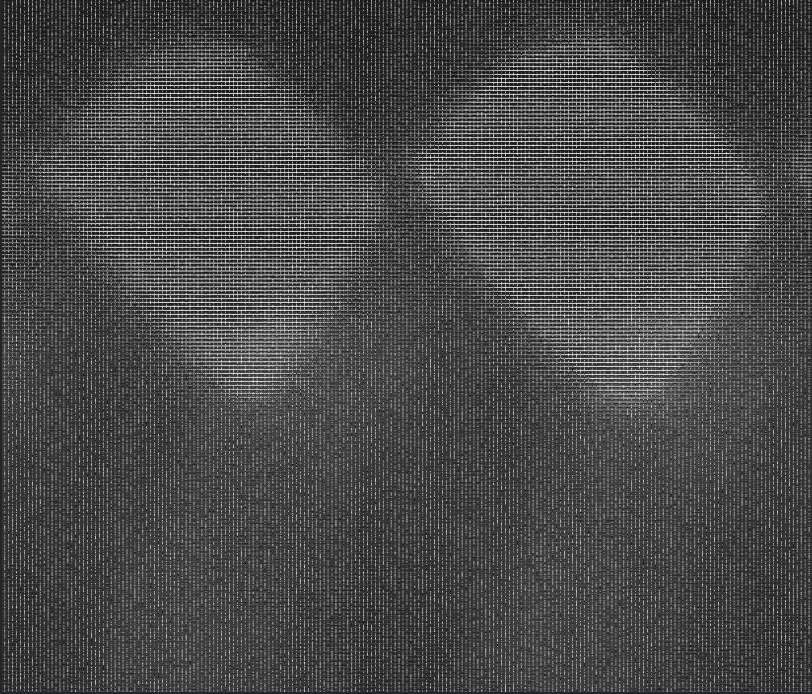
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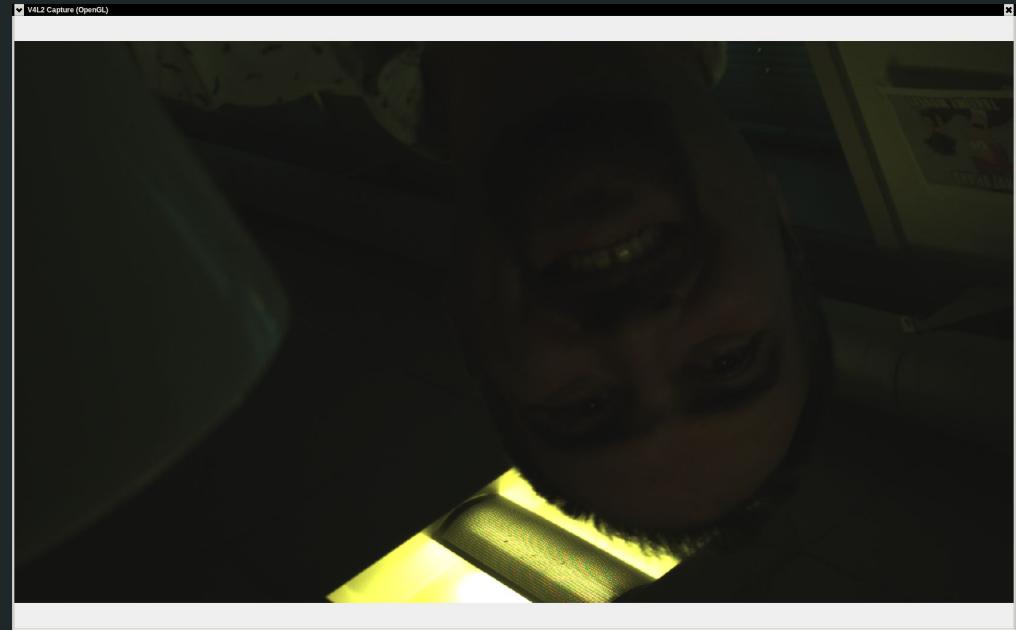
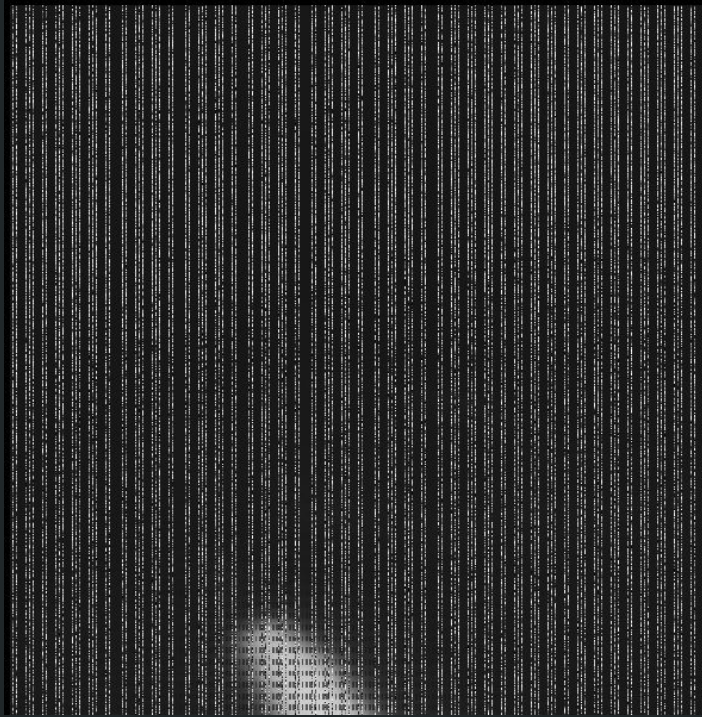
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1 2 3 4 5 6 7 8 9 10 Next

Light at the end of the tunnel....



It works!





BLUE ORIGIN
NOV 23 2015



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Benefits

Access to Developers

#v4l | freenode
← → ↺ https://www.irccloud.com/irc/freenode/channel/v4l

#v4l Linux analog video support (V4L2) | *only registered users can talk* | <http://linuxtv.org/wiki> | repo: https://linuxtv.org/git/media_tree.git | linux-medi... Thursday, September 20th, 2018 2 days ago

H

./configure
make
sudo make install

11:18 AM

R

ribalda Ricardo Ribalda
@salus Hello! I am working on an upstreamable version of an imx214 driver. The last thing left is splitting the sensor module and the focus module. I am trying to use "lens-focus" async sub-device. Everything seems fine, but the power management because the focus device is not part of the pipeline the s_power function is not called

11:25 AM

H

hverkuil Hans Verkuil
ANN: I'll start preparing the agenda for the upcoming Media Summit in Edinburgh on Monday, so if you want to discuss/present something on that day, please send an [RFP] mail to the linux-media mailinglist asap.
ribalda: imx214 or imx214? 11:26 AM

R

ribalda Ricardo Ribalda
imx214
hverkuil: everything works fine on my db820 board, but the focus is controlled by the same driver, and it should be controlled with the ad5820 driver 11:27 AM

H

hverkuil Hans Verkuil
I thought we were using the same sensor, but it is a different one. Just ignore me :-)

11:29 AM

R

ribalda Ricardo Ribalda
hverkuil: sorry, I have fat fingers:P 11:29 AM

T

tfiga Tomasz Figa
ribalda: wouldn't you normally have the userspace keep the focuser subdev open and control the focus continuously? the focuser drivers we've been implementing power on on subdev open 11:33 AM

R

ribalda Ricardo Ribalda
tfiga: then what is the point for referencing the focuser on the sensor on the device tree? 11:36 AM

T

tfiga Tomasz Figa
ribalda: to know which focuser belongs to which sensor I guess
although I'm not saying that behavior is the officially blessed one ;)
I don't think it's specified anywhere... 11:41 AM

R

ribalda Ricardo Ribalda
tfiga: but I think that information is not accessible, at least is not shown in media-ctl -p 11:47 AM

R

ribalda

10:57 PM

Ops

ChanServ

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_jmleo

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andrey_utkin

angelo_ts

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darvon

Dominionion

drue

evalenti

ezequielg

gagallo7[m]

gnurou

griffinp

grohne

harrow

headless

hnrk_

hverkuil

ive

indy

javier_

jdel

larnal

freenode

#linuxtv

#v4l

#OE

#u-boot

~march=bvver1 -mtune=bvver1", "", d))"

AVAILTUNES += "bobcat-64"

TUNE_FEATURES_tune-bobcat-64 = "bobcat m64"

BASE_LIB_tune-bobcat-64 = "lib64"

TUNE_PKGARCH_tune-bobcat-64 = "bobcat_64"

PACKAGE_EXTRA_ARCHS_tune-bobcat-64 = "\${TUNE_PKGARCH}_tune-bobcat-64"

Thanks!

Burton, Ross

ross.burton@intel.com via lists.openembedded.org

to OpenEmbedded

On 15 September 2016 at 09:34, Ricardo Ribalda Delgado <ricardo.ribalda@gmail.com> wrote:

> MACHINE is qt5022, which is:

>

> x86_64 + -march=bvver1 -mtune=bvver1

>

So the compiler is probably using instructions that qemu doesn't recognise.

If qemu can pretend to be that machine then you can pass the relevant options to qemu in your BSP, see the QEMU_EXTRAOPTIONS variable assignments in e.g. tune-core7.inc. If qemu can't execute target code then you can either ignore the messages or extend qemu.bbclass so that it is possible to say "qemu doesn't work" in a BSP.

Ricardo Ribalda Delgado

<ricardo.ribalda@gmail.com>

to openembedded-devel

Hi Ross

That was the issue! thanks

For the record, this fixes the problem for bobcat architecture (at least for me)

QEMU_EXTRAOPTIONS_bobcat-64 = "-cpu Oporton_G3,check=false"

Thanks!

Qtec.com

Reduce Maintership cost

```
ricardo@piling:~/hacking/linux$ git rebase linus/master
First, rewinding head to replay your work on top of it...
Applying: media: video_function_calls.rst: drop obsolete video-set-attributes reference
Applying: media: af9035: prevent buffer overflow on write
Applying: media: camss: mark PM functions as __maybe_unused
Applying: media: camss: Use managed memory allocations
Applying: media: camss: add missing includes
Applying: media: vicodec: add QP controls
Applying: media: vicodec: add support for more pixel formats
Applying: media: vicodec: simplify flags handling
Applying: media: vicodec: simplify blocktype checking
Applying: media: vicodec: improve handling of uncompressable planes
Applying: media: vicodec: rename and use proper fwht prefix for codec
Applying: media: vicodec: split off v4l2 specific parts for the codec
Applying: media: vicodec: fix out-of-range values when decoding
Applying: media: ov772x: use SCCB regmap
Applying: media: ov9650: use SCCB regmap
Applying: media: ov5670, ov13858: Use pm_runtime_idle
Applying: media: i2c: Fix pm_runtime_get_if_in_use() usage in sensor drivers
Applying: media: ipu3-cio2: Use dma_zalloc_coherent to replace dma_alloc_coherent + memset
Applying: media: ov772x: Disable clk on error path
Applying: media: ov5640: fix mode change regression
```

Reduce Maintership cost

```
ricardo@piling:~/hacking/linux$ git rebase linux/master
First, rewinding head to replay your work on top of it...
Applying: media: video_function_calls.rst: drop obsolete video-set-attributes reference
Applying: media: af9035: prevent buffer overflow on write
Applying: media: camss: mark PM functions as __maybe_unused
Applying: media: camss: Use managed memory allocations
Applying: media: camss: add missing includes
Applying: media: vicodec: add QP controls
Applying: media: vicodec: add support for more pixel formats
Applying: media: vicodec: simplify flags handling
Applying: media: vicodec: simplify blocktype checking
Applying: media: vicodec: improve handling of uncompressable planes
Applying: media: vicodec: rename and use proper fwht prefix for codec
Applying: media: vicodec: split off v4l2 specific parts for the codec
Applying: media: vicodec: fix out of array values when decoding
Applying: [media] ad5820: Define entity function
Applying: [media] ad5820: Add support for enable pin
Applying: [media] ad5820: DT new optional field enable-gpios
Applying: [media] ad5820: Add support for of-autoload
Applying: [media] ad5820: Add support for acpi autoload
Applying: [media] ad5820: Add support for ad5821 and ad5823
Applying: [media] ad5820: DT new compatible devices
ricardo@piling:~/hacking/linux$ ^C
ricardo@piling:~/hacking/linux$
```


Training

← → ↻ 🔒 https://review.coreboot.org/q/status:open

PolyGerrit **CHANGES** ▾ DOCUMENTATION ▾ BROWSE 🔍 status:open

Subject	Status	Owner	Assignee	Project
► WIP: selfboot: remove bounce buffers		Ronald G. Minnich		coreboot
arch/riscv: Adjust compiler flags for scan-build		Jonathan Neuschäfer		coreboot
Add initial J-Link SPI programmer		Marc Schink		flashrom
amd/common/psp: Remove use of PspBaseLib		Charles Marslett		coreboot
soc/intel/common/block: Don't use device_t		Elyes HAOUAS		
sb/amd: Use 'unsigned int' to bare use of 'unsigned'		Elyes HAOUAS		
(device,drivers): Use 'unsigned int' to bare use of 'unsigned'		Elyes HAOUAS		
mb/google/auron/variants: Don't use device_t		Elyes HAOUAS		
mb/clevo/n130wu: Add mainboard		Felix Singer		
mb/google/octopus: Close unused I2C bus 7 include SCL and SDA for Phaser		Peichao LI		
nocturne: Set eMMC tuning param.	WIP	Pratikumar V Prajapati		
mb/*/*: Harmonise FD and devicetree on boards featuring ICH7		Arthur Heymans		
vpd: Add support for reading BD addresses from the VPD		Matthias Kaehlicke		
google/cheza: Read MAC addresses from the VPD		Matthias Kaehlicke		
HACK SDM845: Set GBB_FLAG_FORCE_DEV_SWITCH_ON		T.Michael Turney		
HACK sdm845: Ref SDCard driver	Merge Conflict	T.Michael Turney		
HACK drivers/sdcard: Add SDCard		T.Michael Turney		
sdm845: Add interface between CB & QCLib	Merge Conflict	T.Michael Turney		
HACK Add bl31.elf for Cheza	Merge Conflict	T.Michael Turney		
sdm845: Add display hardware pipe line initialization [patch 3 of 3]	Merge Conflict	T.Michael Turney		
sdm845: Add DSI clock support	Merge Conflict	T.Michael Turney		
sdm845: Add display dsi interface programming [Patch 2 of 3]		T.Michael Turney		

cmake/config_posix Add missing Feature test Macro 5e51f7f

SloCompTech approved these changes 3 days ago [View changes](#)

I built library and found out that mentioned warnings, errors are fixed in this pull request.


Add more commits by pushing to the **master** branch on **ribalda/libfreefare**.

Review required
At least 1 approving review is required by reviewers with write access. [Learn more.](#)

All checks have passed
1 successful check [Show all checks](#)








Merging is blocked
Merging can be performed automatically with 1 approving review. [Update branch](#)

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☐ Past Week (9241)

☐ Past Month (27492)

☒ Any Time (31282)

LinkedIn Features

☐ Under 10 Applicants (29370)

☐ Easy Apply (331)

☐ In Your Network (1389)

Job Type

☐ Full-time (29874)

☐ Internship (707)

☐ Part-time (554)

☐ Contract (255)

☐ Temporary (74)

☐ Volunteer (42)

☐ Other (11)

Location

☐ Copenhagen (8793)

☐ Aalborg (857)

☐ Aarhus N (244)

☐ Melby (142)

☐ Hedehusene (37)

Company

☐ Danske Bank (112)

☐ IT-Universitetet i København (34)

☐ DFDS (35)

☐ Mercedes-Benz Sverige (4)

☐ Sygehus Lillebælt (32)

Industry

☐ Computer Software (4662)

☐ Financial Services (1983)

☐ Higher Education (2384)

☐ Information Technology and Services (5648)

☐ Staffing and Recruiting (3916)

Job Function

☐ Information Technology (8233)

☐ Sales (4183)

☐ Business Development (2641)

☐ Engineering (2607)

☐ Customer Service (1726)

Experience Level

☐ Internship (1106)

☐ Entry level (13060)

☐ Associate (7569)

☐ Mid-Senior level (202)

☐ Director (849)

☐ Executive (243)


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 - Hardware Keyboard Controller
 - USB Consumer IR (CIR) receiver IC for Windows Vista/Windows 7
 - Power Saving (EUP) SIO & Controller
 - Transceiver and Buffer
 - SIO With Microcontroller (uSIO)
 - CAN Bus Controller
- Environment Sensor and Glue Logic IC
 - Environment Sensor and Fan Controller
 - Pure Logic IC
 - Performance Controller
 - Real Time Clock
- Power Management and ACPI

F81216A

General Description

The F81216AD mainly provides 3 pure UART ports and one UART+ IR port through LPC.

Each UART includes 16-byte send/receive FIFO, a programmable baud rate generator, and an interrupt system.

One watch dog timer is provided for system controlling and the time interval can be programmed by setting pin. One clock 24/48MHz input is necessary, and default is 24MHz. Powered by 3.3V (7mm x 7mm).

Features

Package

Attachments

- Supports LPC interface



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The USB 3380 is a PCI Express Gen 2 to USB 3.0 SuperSpeed Peripheral Controller. It provides a PCI Express Gen 2 x1 port and one USB 3.0 SuperSpeed client port. The bandwidth at 5 GT/s between the PCI Express Gen 2 bus and the USB 3.0 SuperSpeed client port. The USB 3380 controller can easily add a USB 3.0 client port to an existing PCI Express function (endpoint) to a USB 3.0 product. The USB 3380 Express port as one x1 upstream port or one x1 downstream port. The configurations to achieve the maximum performance of the product. The USB 3380 provides 100 MHz HCSL output clocks, for the downstream port when saving BOM cost by eliminating the need for extra clock buffer(s).



[PDF] [USB3380 Product Overview](#)

Lifecycle Status

Not Recommended for New Design

Replacement Part

[Contact Sales »](#)

Access to documentation



Influence in APIs



Drawbacks

STANDARD TIME ZONES OF THE WORLD



CONTRIBUTE!

Our experience

- **Linux Kernel:** 200+ patches. Including a 9+ year old bugfix.
- **U-boot:** 48 patches. Maintainers of Virtex PowerPC boards.
- **Yocto project:** 60+patches. Supporting organization of the project.
- **v4l-utils/libv4l2:** 10 patches.
- **Gstreamer:** 5 patches accepted.
- **Coreboot:** 6 patches accepted.
- **Flashrom:** Support for the first board with EEprom memory.
- **Gerbil, Clpeak, Video Lan Client, neard...**



Can small companies upstream?

The story of an Industrial Camera manufacturer.

Ricardo Ribalda, PhD