

## EclaireXL - Feature #24

### A board with Atari SOUL!!!! (ROM in block ram support)

05/31/2017 02:56 PM - sadosp

<b>Status:</b>	Closed	<b>Start date:</b>	05/31/2017
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>			
<b>Description</b> What I would like to see from Mark sometime in the future, is to integrate the Atari OS in the flash ram. Dream for the day who I will push the power switch, and I will see the "Basic" blue screen, without the need of SD card. A board with Atari SOUL!!!!			
<b>Related issues:</b> Related to Feature #37: SD card insertion support			
		<b>Closed</b>	<b>06/03/2017</b>

#### History

##### #1 - 05/31/2017 03:09 PM - foft

- Priority changed from Normal to High

##### #2 - 05/31/2017 07:06 PM - foft

- Subject changed from A board with Atari SOUL!!!! to A board with Atari SOUL!!!! (ROM in block ram support)

##### #3 - 05/31/2017 07:57 PM - sadosp

sadosp wrote:

What I would like to see from Mark sometime in the future, is to integrate the Atari OS in the flash ram.  
Dream for the day who I will push the power switch, and I will see the "Basic" blue screen, without the need of SD card.  
A board with Atari SOUL!!!!

?????

##### #4 - 05/31/2017 08:10 PM - foft

I'll start by a default one in block ram, (optionally overridden by sd card). Then later we can add support for the flash reading.

##### #5 - 05/31/2017 08:17 PM - sadosp

foft wrote:

I'll start by a default one in block ram, (optionally overridden by sd card). Then later we can add support for the flash reading.

Thanks!

##### #6 - 07/07/2017 09:26 PM - foft

Also of course nice and fast vs uncached sdram...

sysinfo fp test from 6x->20x :) I probably need a cache to get this closer to 30-40x, but that will take some work.

##### #7 - 07/07/2017 11:05 PM - sadosp

??? What you mean here?

##### #8 - 07/09/2017 01:25 PM - foft

I'm using block ram in the FPGA for the OS ROM and BASIC. It can be read in 2 cycles and written to in 1 cycle. SDRAM takes about 5-6 iirc. So in turbo mode, with no cpu cache, this makes a huge difference in speed.

##### #9 - 02/08/2018 07:56 PM - foft

- Status changed from New to In Progress

**#10 - 02/08/2018 09:05 PM - foft**

- *Related to Feature #37: SD card insertion support added*

**#11 - 02/08/2018 09:06 PM - foft**

- *Status changed from In Progress to Closed*

Added basic support, see related issue.

I still plan to do the flash reading later.