

Subject: : AmigaOS4

Topic: : New Sam460cr boards will hit the road soon!

Re: New Sam460cr boards will hit the road soon!

Author: : kas1e

Date: : 2021/4/5 16:54:09

URL:

@max

Quote:

Remove both gfx card and keyboard and boot.

On the serial console you'll see the uboot prompt.

Type 'print' to list all the env vars, and check if boot1 or boot2 or boot3 is set to 'usb'.

If so, you can boot from a usb stick, just use win32diskimager to burn the aos4.1 install iso on the usb stick.

Put back the gfx card and the keyboard, insert the usb stick and boot. after a few second the aos4.1 logo should display.

So I just connect PSU and Serial cable, and nothing else (no gfx card, no keyboard, no mouse, just PSU and Serial). Boot. On serial i have:

U-Boot 2015.a (May 16 2015 - 14:20:11)

CPU: AMCC PowerPC 460EX Rev. B at 1100 MHz (PLB=220 OPB=110 EBC=110)

No Security/Kasumi support

Bootstrap Option H - Boot ROM Location I2C (Addr 0x52)

Internal PCI arbiter enabled

32 kB I-Cache 32 kB D-Cache

Board: Sam460ex/cr, PCIe 4x + PCIe 1x

I2C: ready

DRAM: 2 GiB (ECC not enabled, 440 MHz, CL4)

PCI: Bus Dev VenId DevId Class Int

PCIE0: link is not up.

PCIE1: link is not up.

Net: ppc_4xx_eth0

FPGA: Revision 03 (2010-10-07)

SM502: not found

PERMD2: not found

VGA: NO CARDS

After that motherboard just shutdowns. No Uboot prompt on serial, and no reaction on "ESC". The motherboard just off after output "VGA: NO CARDS"

If I then connect RadeonRX, and boot up sam, and then hit "ESC" on the serial, I have only that:

U-Boot 2015.a (May 16 2015 - 14:20:11)

CPU: AMCC PowerPC 460EX Rev. B at 1100 MHz (PLB=220 OPB=110 EBC=110)

No Security/Kasumi support

Bootstrap Option H - Boot ROM Location I2C (Addr 0x52)

Internal PCI arbiter enabled

32 kB I-Cache 32 kB D-Cache

Board: Sam460ex/cr, PCIe 4x + PCIe 1x

I2C: ready

DRAM: 2 GiB (ECC not enabled, 440 MHz, CL4)

PCI: Bus Dev VenId DevId Class Int

PCIE0: link is not up.

PCIE1: successfully set as root-complex

02 00 1002 699f 0300 ff

Net: ppc_4xx_eth0

FPGA: Revision 03 (2010-10-07)

SM502: not found

PERMD2: not found

VGA: 1

VESA: OK

And no Uboot prompt.

Next, I tried RadeonHD Verde and also hitting "ESC" in the terminal like a madman: no luck again.

Now, I tried to put RadeonRX and use USB flash with os4few + Radeon RX driver in it. Tried in both USB ports, with hard reboot with 30 seconds waiting: nothing again. "VESA: OK" and nothing more.

Any ideas?

Without a GFX card motherboard just shutdowns, probably because it expected any gfx card (and on sam460es there SM502 which is not found on sam460cr) so that probably no go.

And did I understand right, that the keyboard is not active on boot, and I can't "ESC" from it to go to uboot? (at least, if "num lock" didn't work till uboot start, it means the whole keyboard didn't too).

Is there some prove to be a way to go to uboot from serial?

My putty settings:

Baud: 115200

DataBits: 8

Stop Bits: 1

Parity: None

Flow Control: None