



APU6b4 Micro USB Serial Connection

mree May 13th 2022



mree

[Beginner]

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May 13th 2022

Hi there

I recently bought a apu6b4 board. I face difficulties connecting to the serial console in order to install OPNSense. The board has a microUSB serial port.

- I followed the instructions on <https://pcengines.ch/howto.htm#serialconsole> (<https://pcengines.ch/howto.htm#serialconsole>)
- I use a micro USB / USB-A cable and I want to connect from my computer
- I download OPNsense-22.1.2-OpenSSL-serial-amd64.img.bz2 and flashed it to an USB drive
- I booted the apu6b4 with the USB drive inserted (a sound occurred after ~30s)
- I cannot connect to the serial console
 - I tried putty on Windows
 - also no luck with `screen /dev/tty.. 115200` on Linux

Do I need to use a Null modem cable with micro USB such as <https://www.globalsources.com/...ial-Cable-1182907426p.htm>

(<https://www.globalsources.com/Network-cabling/Micro-USB-Serial-Cable-1182907426p.htm>) ?

best

Ree



daduke

[Beginner]

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nope, plain micro USB cable works fine here



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@daduke : can you quickly explain step by step how you connected to the serial console.

for me it seems quite strange. I connected the apu6b4 with my computer using a micro usb cable (tested with three different cables micro USB / USB-A) and turned apu6b4 on. then no new /dev/tty* (or /dev/tty*usb*) popped up...

help is highly appreciated!



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in the meantime I also tried to pressed the S1 button while powering up to reenale the serial console. no luck either.

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daduke
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Code



```
1. | screen /dev/ttyUSB0 115200
```

is all I do

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[Beginner]

May 16th 2022

Ok. Screw these two micro usb cables (one was brand new), the third one worked 😊

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