



APU6B4 and SIM7600E-H modem

EasyNet Apr 1st 2022



EasyNet

[Beginner]

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Apr 1st 2022

Hi,

I have this board and I connected in mini PCIe slot 2 the LTE modem SIM7600E-H.

<https://www.simcom.com/product/SIM7600E-H-PCIE.html>

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I see the modem in the OS, I can send AT commands, but when I'm inserting a SIM card and try to check the SIM card I got this:

Code



```
1. Welcome to minicom 2.8
2.
3. OPTIONS: I18n
4. Port /dev/serial/by-id/usb-SimTech__Incorporated_SimTech__Incorporated_012345678
   9ABCDEF-if02-port0, 16:00:04
5. Display More
```

Even I have the SIM inserted in the board SIM slot.

I used this modem on another board NF9HB-2930 <https://www.jetwayipc.com/product/nf9hb-2930/>

(<https://www.jetwayipc.com/product/nf9hb-2930/>), and it worked without issue.

What could be the reason that is not detecting the SIM?

The post was edited 1 time, last by EasyNet (Apr 1st 2022).



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For more details about this mPCIe modem I downloaded the hardware design and on page 14 there are the pin outs for SIM card and I compared with the schematics from APU6B4 and are matching.

Here is the PDF: <https://nextcloud.easynet.dev/index.php/s/8TSRGe9DsK44Dcy>

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Seems that it takes some time until it is finding the SIM. After few minutes I was able to find the SIM.

