Devices With GNU/Linux and Hardware Hacking

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Created 27/06/2022 - 8:39am
Submitted by Roy Schestowitz on Monday 27th of June 2022 08:39:59 AM Filed under Hardware[1]

- **Introducing ESP32-C5: Espressif’s first Dual-Band Wi-Fi 6 MCU**[2]

  ESP32-C5 packs a dual-band Wi-Fi 6 (802.11ax) radio, along with the 802.11b/g/n standard for backward compatibility. The Wi-Fi 6 support is optimised for IoT devices, as the SoC supports a 20MHz bandwidth for the 802.11ax mode, and a 20/40MHz bandwidth for the 802.11b/g/n mode.

- **Compulab’s new IoT gateway is based on NXP’s i.MX.8M processor and runs on Linux, MS Azure IoT and Node RED**[3]
  [Ed: Compulab should shun spyware from Microsoft. Bad neighbourhood.]

  The IOT-GATE-IMX8PLUS is an IoT gateway made by Compulab that is based on the NXP i.MX.8M Plus System on Chip (SoC) for commercial or industrial applications. The device features dual GbE ports, Wi-Fi6/BLE 5.3 support, LTE 4G, GPS and many optional peripherals.

  Compulab’s new IoT gateway provides support for two processor models, the C1800Q and the C1800QM. Both come with a real time processor but only the C1800QM includes the AI/ML Neural Processing Unit.

- **Want A Break From Hardware Hacking? Try Bitburner**[4]

  If you ever mention to a normal person that you’re a hacker, and they might ask you if you can do something nefarious. The media has unfortunately changed the meaning of the word so that most people think hackers are lawless computer geniuses instead of us simple folk who
are probably only breaking the laws meant to prevent you from repairing your own electronics. However, if you want a break, you can fully embrace the Hollywood hacker stereotype with Bitburner. Since it is all online, you don’t even have to dig out your hoodie.

Hardware

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