

Cyberdeck: Part Four

[Medium.com/@jagould2012/cyberdeck-part-three-daf6f7dfc493](https://medium.com/@jagould2012/cyberdeck-part-three-daf6f7dfc493)

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As I've been waiting for the many Amazon boxes to arrive to start the build, I spent a little time looking through old project boxes to make sure I hadn't missed anything that would fit nicely in the build. Two new discoveries have been added that I think will be great additions.

PepWave MAX BR1 Mini

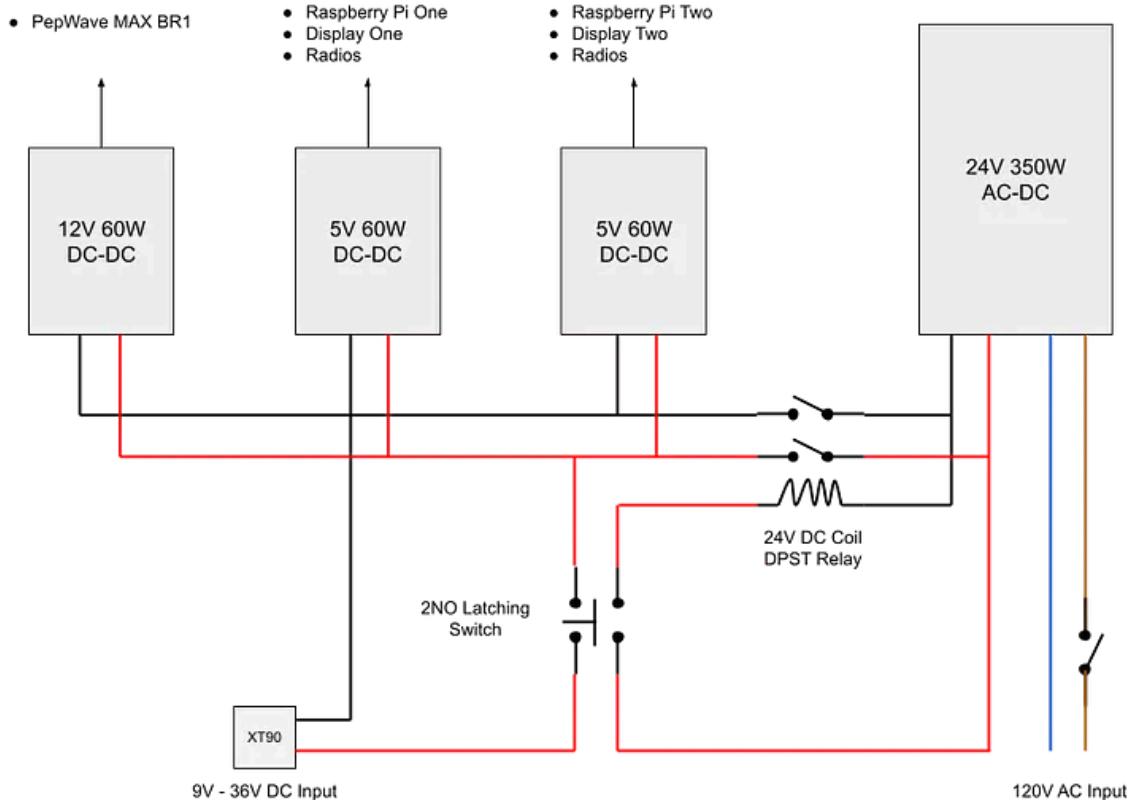
With a built-in 4G LTE cellular radio, two Ethernet port switch, and WiFi radio — this will give me a number of options for uplink where available. The WiFi can be configured for WiFi-as-WAN (with an added license), so the device can connect to available Internet and serve it out over the two Ethernet ports to the Raspberry Pi boards. This is particularly helpful as it leaves the AXE3000 WiFi radio I bought available for other purposes (like monitor mode).



PepWave MAX BR1 Mini

The device accepts a DC supply of 12–28V DC, which required a slight change in our power design as our main supplies are all 5V (for the LCD displays and Raspberry Pi SBCs). I could have just connected the device to the onboard 24V DC supply, but that would mean the PepWave would only be available when connected to mains.

The power design now includes a third 60W buck boost power supply, this one with a 12V DC output. Using the same family as the 5V supply, it also accepts a wide 9V — 36V DC input (see power supply [article](#)).

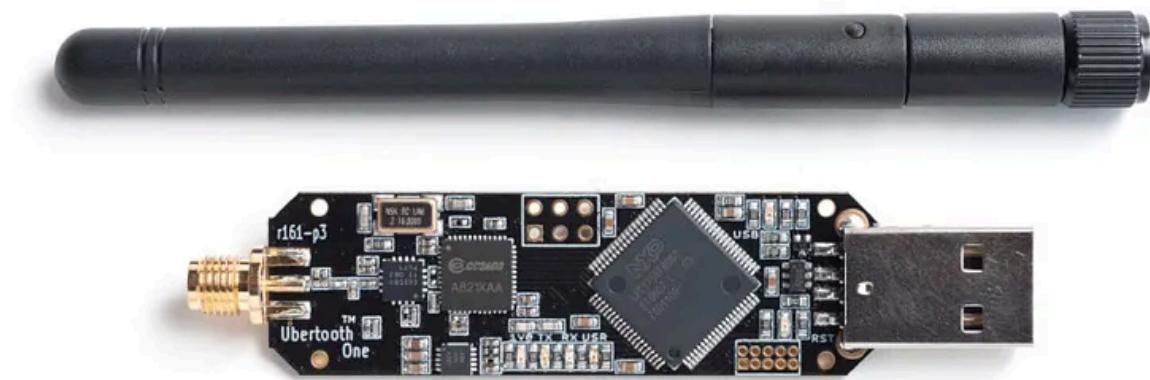


Addition of a 12V 60W power supply.

60W output is quite a bit more than the PepWave requires, but it will be helpful in the future to have available capacity at both 5V and 12V, all operating on our dual supply design.

Ubertooth One

Another great design from Great Scott Gadgets, the [Ubertooth One](#) provides some great capabilities specifically in the Bluetooth spectrum. It's an older device that's been retired by the manufacturer, but I remember it being very helpful in the project I originally purchased it for.



Great Scott Gadgets Ubertooth One