The first thing I tried was upgrading the firmware on the HBAs?four Broadcom 9405W-16i cards. I noticed they were on version 5, which was from November 2017. A lot has changed in the past five years, and HBAs and RAID cards see a lot of active development to fix bugs, optimize throughput, etc., since they basically run their own on-chip OS.

In fact the only downside of the Dev One is the shitty Realtek wireless card it ships with. If you buy one of these, I strongly suggest you crack it open and switch out the wifi card for an Intel AX200 or AX201. It is 100% worth it, especially as the machine does not come with an ethernet port. Despite the 5850U processor in the Dev One having a TDP that is 1/3rd of the TDP of the 4800H in the Pulse laptop, performance is about the same. Battery life is worse, but the Pulse has a 90+ watt hour battery whereas the HP has a 53 watt hour battery. Nevertheless I can get 6 to 8 hours on it with no problem, which is more than enough for me.

In addition, the screen on the Dev One is beautiful. I honestly was scared shitless of buying this device because it only comes with a glossy screen and I have been using matte screens for so long that I wasn't sure how well I would be able to adapt. Nevertheless these fears proved to be baseless as the screen is phenomenal. In addition the laptop ships in a single configuration which is fine as the RAM, Storage and Wifi are all upgrade-able (provided you have a Torx T5 screwdriver) and yes I upgraded all of them. The free shipping is great as its overnight shipping. I literally ordered this thing last Monday and got it the following afternoon.

The downside of these and other smart bulbs is that they need to be powered on for voice or app control. And if you have automations for those lights, they need power for your smart home to run those automations.