Table of Contents

Tony PC

This section documents the list of desktop computers I have built and used.
My usage is basically the equivalent of the PC of Theseus, where parts have been swapped in and out.

Tony PC 1.0

- Built: March 2014
- CPU: Intel Core i3 4130
- M/B: Asus Z87-Plus
- RAM: 2×4 GB Corsair Vengeance Pro DDR3 1600MT/s
- HDD: 500GB WD Caviar Blue 7200RPM HDD
- ODD: TSST DVD Writer
- PSU: Corsair CX430 430W 80+ Bronze
    - Non-modular
- CASE: Corsair Carbide 200R

- Designed to at least have some upgrade room (see Intel 5th gen 🤣)
- Alternative was Bulldozer.
- No GPU. No SSD.
- Yes, Z87 board for a non-unlocked i3 (only Z boards allowed overclocking, and the original plan was for a 4770k).

Tony PC 1.1

- Added a used Gigabyte GTX 660 (2 GB) bought from Kijiji
    - Uses 1x 6pin
- At the time, the Nvidia 900 series and AMD 290x was just coming out, so these were dropping in price.

Tony PC 1.2

- Added a 500 GB Samsung 860 Evo SATA SSD (new)
- Cost over $100 at the time. (laughs in $80 2TB SSD now)

Tony PC 1.3

- Upgraded 2018, Cost ~$100
- Added 2×8 GB Kingston Fury (new)
    - 1866 MT/s, running 1600 to match.
    - 4/4 DIMM used.

Tony PC 1.4

- Upgraded 2018. Cost over $200 iirc.
- Replaced the Core i3 4130 with a Core i7 4770k (used)
- Bought Cooler Master Hyper 212 Evo
    - Walked 5 km with it in my hand from Canada Computers on the side of the road on the way back from work.

Tony PC 1.5

- Upgraded 2020. Cost: $200 (used from Kijiji)
- Replaced the Gigabyte GTX 660 for an MSI Armor RX 480.
    - Uses 1×8 pin (max of CX 430)
    - Also bought on the way back from work at a Tim Hortons.
- Seriously concerned me about overloading PSU with i7 and GPU, 12v rail ran at 11.9V

Tony PC 1.99

- Final resting spot of PC 1.x
- Case: Cooler Master N400
- GPU: Downgraded to GTX 660
- HDD: Downgraded to WD Blue 500GB 7200RPM
- HDD2: WD Blue 5400RPM
    - Shucked from old Mybook
    - Rebadged WD green (but CMR)
- 4770k/Z87/24GB RAM as core platform
- Remaining parts moved to TonyPC 2.0

Tony PC 2.0

- Built: Fall 2020
- CPU: 2x Intel Xeon E5 2650 v2
    - 8 cores at 2.6 GHz
- MB: Supermicro X9DRI-iF
    - Lots of PCIe and PCI
    - 4 DIMM per CPU
    - 8 SATA ports
- RAM: 4x8GB Samsung DDR3 1600MT/s ECC
- SSD: Samsung 860 Evo 500GB SATA (carried over from PC 1.5)
- HDD: Seagate Barracuda Pro 10TB
    - Shucked
    - Helium filled 7200RPM
- PSU: Antec Earthwatt Gold 750W
    - 80+ Gold

    - Semi modular
    - Chosen for being on sale and ok.
    - 2x 8Pin CPU.
- Case: Corsair Carbide 200R (from PC 1.x)
    - Why not the N400? The EATX motherboard did not fit.
    - Had to rip out half the standoffs to get the server board in there
- Coolers: 2x Cooler Master Hyper 212 EVO
    - Board came with passive coolers.
    - Might have been fine, but I went overkill.
    - Turns out Xeons are efficient. Max temp < 60C
- PCI slot: Creative Soundblaster Live
    - From eBay ~$20
    - Needed audio since server board has none
    - Wanted something PCI to use up that unused PCI slot
- PCIe slot: Inateck USB 3.0
    - From Amazon, ~$30
    - Chosen for Linux support and not having reviews of cooking peripherals
    - USB 3.0 does not work, has run in 2.0 only on Linux for years.
    - Purchased after I cooked 2 of the 4 USB ports on the motherboard due to overcurrent
    - Also needed for front panel USB
- PCIe slot: Fenwi AX200
    - Has linux drivers. needed wifi.

Tony PC 2.1

- HDD1: 10TB Barracuda Pro (shucked)
- HDD2: 14TB WD Red (from WD)
    - Was DOA.
    - Had to get WD to replace it.
- HDD3: 8TB Toshiba X300
- SSD1: Samsung 870 Evo SATA
    - The 860 Evo died.
    - Retailer said ask Samsung
    - Samsung said ask retailer.
    - Retailer sent it in. Could not repair. Gave 870 evo instead.

Tony PC 2.2

- GPU: AMD RX 6700XT
    - Indirectly sponsored by Felipe
- SSD1: Samsung 250GB OEM NVMe
    - Motherboard can not boot from PCIe.
    - Supermicro has some X9 boards with update that do. not this.
    - Move GRUB onto a thumb drive, stick into internal USB port.
    - PC boots to USB with GRUB, which starts Linux, which mounts rootfs on the NVMe, since Linux has NVMe drivers.

- Swapped HDD with NAS
  - WD Red 14TB moved to NAS (as WD Red is meant for)
  - Seagate Barracuda Pro 10 TB (a second one - also shucked) moved from NAS to PC