

PC Build Notes – Original Build and Upgrade

Original PC Build (First Build – Age 14)

I built my first custom PC at around age 14. I selected compatible components, assembled the system, and installed all hardware myself.

Original Components

- CPU: AMD Ryzen 5 2600 – 6-core processor responsible for system computation
- Motherboard: ASRock X570 Pro4 – ATX motherboard providing system connectivity
- Memory (RAM): 16 GB Corsair Vengeance RGB Pro (2x8 GB DDR4-3200)
- Storage: Western Digital Blue 1 TB HDD (mass storage)
- Storage: Kingston A400 240 GB SSD x2 (operating system and fast storage)
- Graphics Card: MSI GTX 1650 – Dedicated GPU for graphics rendering
- Case: NZXT H500 – Mid-tower ATX case
- Power Supply: Corsair CX650M 650W 80+ Bronze – Semi-modular PSU
- Monitors: HP 24f 60Hz and HP X24ih 144Hz
- Additional Hardware: RGB case fans, internal RGB LED strips, Xbox wireless adapter

Original Build Process

1. Installed CPU into motherboard AM4 socket
2. Installed RAM into DIMM slots
3. Mounted motherboard into case
4. Installed HDD and SSDs
5. Installed GPU into PCIe slot
6. Connected PSU cables (CPU, motherboard, GPU, storage)
7. Installed RGB fans and lighting
8. Connected peripherals and powered on system

Upgraded PC Build

I later upgraded my PC in 2025 by replacing core components to improve performance, gaming capability, and cooling efficiency.

Upgraded Components

- CPU: AMD Ryzen 7 5800X – 8-core high-performance processor
- CPU Cooler: NZXT Kraken Elite 280 RGB – AIO liquid cooling solution
- Motherboard: ASUS ROG STRIX B550-F Gaming WiFi II – ATX motherboard with WiFi
- Memory (RAM): 32 GB Corsair Vengeance RGB Pro (4x8 GB DDR4-3200)
- Graphics Card: MSI RTX 3060 Ti – High-performance GPU
- Case: NZXT H6 Flow – High-airflow ATX mid-tower case

Reused Components

- Corsair CX650M 650W Power Supply

- Western Digital 1 TB HDD
- Kingston A400 240 GB SSDs

Upgrade Process

9. Disassembled original system
10. Installed new motherboard and CPU
11. Mounted liquid CPU cooler
12. Installed additional RAM
13. Upgraded GPU
14. Transferred components into new case
15. Reconnected cables and verified system functionality