

Problem 3 - Build your own computer workstation at most \$5000 (including tax)

1. **Monitor:** Samsung - 28" 4K UHD IPS AMD FreeSync HDR Monitor - Black
 - a. Cost: \$300
2. **CPU:** AMD Ryzen Threadripper PRO 5965WX - Ryzen Threadripper PRO Chagall PRO (Zen-3) 24-Core 3.8 GHz Socket sWRX8 280W Desktop Processor - 100-100000446WOF
 - a. Cost: \$2525.62
3. **Motherboard:** ASRock WRX80 CREATOR sWRX8 AMD WRX80 SATA 6Gb/s Extended ATX AMD Motherboard
 - a. Cost: \$899.99
4. **Memory:** 2x OLOy OWL 64GB (2 x 32GB) 288-Pin PC RAM DDR4 3200 (PC4 25600) Desktop Memory Model MD4U323216DJDA
 - a. Cost: 2x \$153.99 = \$307.98
 - b. [link](#)
5. **Graphic Cards:** Yeston RTX 3060 12GB GDDR6 LHR Graphics cards Nvidia pci express x16 4.0 video cards Desktop computer PC video gaming graphics card
 - a. Cost: \$499.00
 - b. [link](#)
6. **Case:** Gamdias ARGUS M1 Black Steel / Plastic / Tempered Glass ATX Mid Tower Computer Case
 - a. Cost: \$48.99
 - b.
7. **Power Supply:** Rosewill BRONZE Series, RBR1000-MS, 1000W Semi-Modular Power Supply, 80 PLUS BRONZE, Blue LED Dual-Ball-Bearing Fan, ATX 12V

v2.3 / EPS 12V, SLI & CrossFire Ready, Black

a. Cost: \$114.99

b.

8. **Storage:** SAMSUNG 980 PRO M.2 2280 2TB PCIe Gen 4.0 x4, NVMe 1.3c
Samsung V-NAND Internal Solid State Drive (SSD) MZ-V8P2T0B/AM

a. Cost: \$199.99

b. [link](#)

9. **CPU Cooler:** Arctic Freezer 50 TR Dual Tower CPU Cooler for AMD Ryzen
Threadripper with A-RGB

a. Cost: \$67.90

b. [link](#)

10. **Keyboard and Mouse:** Rosewill FUSION C31 Gaming Keyboard and Mouse
Combo, Mechanical Switch Feel Keyboard, 9 RGB LED Backlight Effects, 104
Keys, 19-Key Anti-Ghosting, On-The-Fly Mouse 3200 DPI, Precision Optical
Sensor

a. Cost: \$29.99

b. [link](#)

11. **Operating System:** Ubuntu 22.04 LTS

Total cost: ~\$5000.00