

Build A Computer!

Purpose of my computer/Programs I want to run

My computer is going to be a gaming computer. I want to run Minecraft on it.



Hardware Parts



Intel Core Ultra 9 Desktop Processor 285K - 24 cores (8 P-cores + 16 E-cores) up to 5.7 GHz

Brand: Intel

Model: Core Ultra 9 285K

Cores: 24

Threads: 24

Socket Type: LGA 1851

Base Speed: 3.7 GHz

Turbo Speed: 5.7 GHz

[View More Details](#)



GIGABYTE Z890 AORUS Elite X ICE Intel Core Ultra (Series 2) LGA 1851 Motherboard

Brand: GIGABYTE

Model: Z890 AORUS ELITE X ICE

Chipset: Intel Z890

Form Factor: ATX

Socket Type: LGA 1851

[View More Details](#)

Hardware Parts



Cooler Master Hyper 212 EVO V2 CPU Air Cooler with SickleFlow 120, PWM Fan, Direct Contact Technology, 4 Copper Heat Pipes

Brand: Cooler Master

Model: Hyper 212 EVO V2

Fan RPM: 650 to 1800 RPM

Noise Level: 8 to 27 dBA

Color: Black



Cooler Master HAF 700 E-ATX High Airflow PC Case, Mesh Front Panel, Dual 200mm Sickleflow Customizable ARG Fans

Brand: Cooler Master

Model: 9B11-119-437

Side Panel: Tempered Glass

Cabinet Type: ATX Full Tower

Color: Black



PNY GeForce RTX® 4090 24GB XLR8 Gaming VERTO EPIC-X RGB™ Triple Fan Graphics Card

Brand: PNY

Model: VCG409024TFXXPB

Memory: 24 GB

Memory Interface: GDDR6X

Length: 332 mm

Interface: PCIe x16

Chipset: GeForce RTX 4090



[View More Details](#)

Hardware Parts



G.SKILL Trident Z5 RGB Series (Intel XMP 3.0) DDR5 RAM 48GB (2x24GB) 8200MT/s CL40-52-52-131 1.35V Desktop Computer Memory UDIMM - Matte White (F5-8200J4052F24GX2-TZ5RW)



Brand: G.Skill

Model: F5-8200J4052F24GX2-TZ5RW

RAM Size: 48 GB

Quantity: 2 x 24 GB

RAM Type: DDR5

[View More Details](#)



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Brand: G.Skill

Model: F5-8200J4052F24GX2-TZ5RW

RAM Size: 48 GB

Quantity: 2 x 24 GB

RAM Type: DDR5

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Hardware Parts



Samsung EVO 970 1TB PCIe Gen3 x4 NVMe M.2-2280 Internal Solid State Drive with V-NAND Technology & 1024MB Cache

Brand: Samsung

Model: 970 EVO

Capacity: 1 TB

Type: SSD

Interface: PCIe 3.0 x4 Cache Memory: 1024 MB Form Factor: M.2-2280



Samsung EVO 970 1TB PCIe Gen3 x4 NVMe M.2-2280 Internal Solid State Drive with V-NAND Technology & 1024MB Cache

Brand: Samsung

Model: 970 EVO

Capacity: 1 TB

Type: SSD

Interface: PCIe 3.0 x4 Cache Memory: 1024 MB Form Factor: M.2-2280

Hardware Parts



EVGA SuperNOVA 850 G6, 80 Plus Gold 850W, Fully Modular, Eco Mode with FDB Fan, 10 Year Warranty, Includes Power ON Self Tester, Compact 140mm Size, Power Supply 220-G6-0850-X1



Brand: EVGA

Model: 220-G6-0850-X1

Power: 850 W

Efficiency: 80+ Gold

Color: Black



Acer SB270 Bbix 27" Full HD (1920 x 1080) IPS Ultra-Thin Zero Frame Monitor with AMD Radeon FREESYNC Technology - 1ms 75Hz Refresh (HDMI & VGA Ports)



Brand: Acer

Model: SB270 Bbix

Screen Size: 27"

Resolution: 1920 x 1080

Aspect Ratio: 16:9

Response Time: 1 ms

Panel Type: IPS

Refresh Rate: 75 Hz

Hardware Parts



ARCTIC P12 PWM PST A-RGB 0dB - 120 mm PWM case Fan
Optimized for Static Pressure, case Fan, semi-Passive: 0-2000 RPM, 5V 3 pin ARGB LED

Brand: ARCTIC

Model: P12 PST

Fan RPM: 2000 RPM

Airflow: 48.8 CFM

Noise Level: N/A

Hardware Parts



RK ROYAL KLUDGE RK61 Wireless 60% Triple Mode Mechanical Keyboard, 61 Keys Bluetooth Mechanical Keyboard

Brand: RK ROYAL KLUDGE

Model: 338395023

Keyboard Style: Mini

Backlit Panel: White

Keyboard Color: Black

Combined Mouse: No

Wireless: Yes



Razer DeathAdder V2 Gaming Mouse: 20K DPI Optical Sensor - Fastest Gaming Mouse Switch - Chroma RGB Lighting - 8 Programmable Buttons - Rubberized Side Grips

Brand: Razer

Model: DeathAdder v2

Tracking Method: Optical

Color: Black

Wireless: No



ARCTIC MX-4 (4 G) - Premium Performance Thermal Paste For All Processors

Brand: ARCTIC

Model: ACTCP00002B

Amount: 4 Grams



Hardware Parts



AmazonBasics Computer Speakers For Desktop Or Laptop PC | AC-Powered (US Version)

Brand: AmazonBasics

Model: V216US

Config: 2.0 Watt: 4.6 W Frequency: 68 Hz - 20 kHz Color: Black



APC UPS Battery Backup And Surge Protector, 600VA Backup Battery Power Supply

Brand: APC

Model: BE600M1

Capacity (W): 330 W Capacity (VA): 600 VA Output Voltage: 120 VAC



Apple AirPods (2nd Generation) Wireless Ear Buds, Bluetooth Headphones With Lightning Charging Case Included

Brand: Apple

Model: MV7N2AM/A

Frequency: Wireless: Yes Color: White



Hardware Parts



Seagate One Touch Hub, 16 TB, External Hard Drive Desktop HDD

Brand: Seagate

Model: STLC16000400

Capacity: 16000 GB

Type: HDD

RPM: 5400 RPM

Interface: USB Type-A 3.2 Gen 1

Form Factor: 3.5"



Logitech C920 HD Pro 1080P Webcam, Widescreen Video Calling And Recording

Brand: Logitech

Model: C920 HD Pro

Resolution: 1080p

Internal Mic: Yes

Sensor: 5 MP



LG Electronics 14x SATA Blu-ray Internal Rewriter Without Software

Brand: LG

Model: WH14NS40

Type: Internal

Interface: SATA I (1.5 Gb/s)

Buffer Memory: 4 MB



Hardware Parts



Creative Sound Blaster Audigy Fx V2 Upgradable Hi-res PCI-e Sound Card With 5.1 Discrete And Virtual Surround, Scout Mode, SmartComms Kit For PC



Brand: Creative

Model: SB1870

Channel Type: 5.1

SNR: 120 dB

Interface: PCI-e

Color: Black



TP-Link N300 PCI-e WiFi Card Wireless Network Adapter Card For PC



Brand: TP-Link

Model: TL-WN881ND

Protocol: WiFi 4 - 802.11a/b/g/n

Interface: PCI-e x1

Color: Black / Green



TP-Link TG-3468 1Gb/s Ethernet PCI Express Network Adapter For Desktop PC



Brand: TP-Link

Model: TG-3468

Interface: PCI-e x1

Ports: 1 x 1000 Mbit/s

Color: Black / silver

Requirements Met

Here are the Minecraft system requirements for 2024:

	Minimum	Recommended
OS	Windows 10 64-bit	Windows 10 64-bit
CPU	Intel Celeron J4105 AMD FX-4100	Intel i7 6500U AMD A8 6600K
RAM	4GB	8GB
GPU	Intel HD Graphics 4000 AMD Radeon R5	Nvidia GeForce 940M AMD Radeon HD 8570D
Storage	300MB	300MB

- RAM: 96GB
- OS: Windows 11
- GPU: PNY GeForce RTX® 4090 24GB...
- Storage: 16 TB
- CPU:



ARCTIC P12 PWM PST A-RGB 0dB - 120 mm PWM case Fan
Optimized for Static Pressure, case Fan, semi-Passive: 0-2000
RPM, 5V 3 pin ARGB LED

Final Price

Grand Total

\$6,518

Compatibility Issues and Est. Wattage

✔ Compatibility: No issues or incompatibilities found.

⚡ Estimated Wattage: 195W