

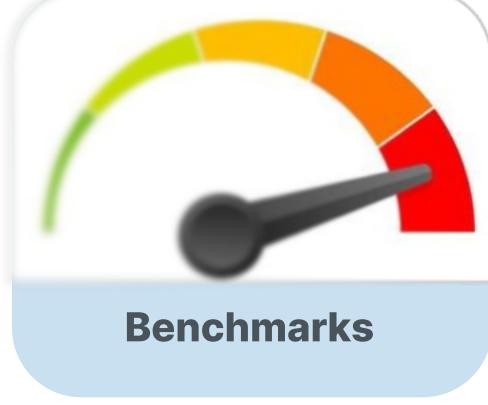
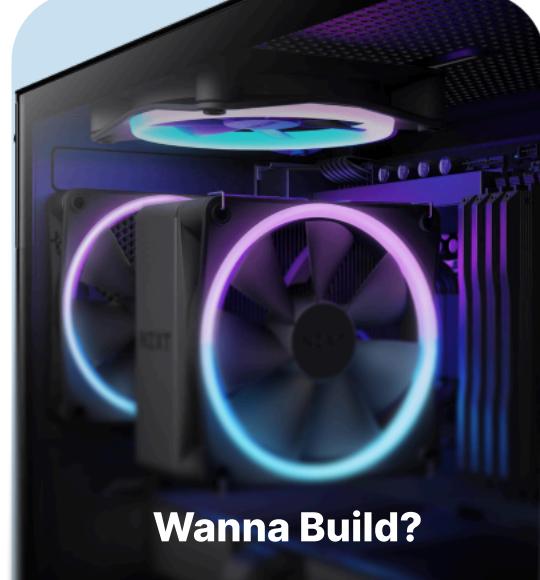
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Good Morning



BUILD MATE



Step through each assembly stage with a simulated guide for your rig.

Latest on the Community



Need Help Choosing?

Take a quick quiz to find best parts.



Good Morning



Skip the guide

PC Assembly — Step-by-Step

1. Prepare Your Workspace

- Clear a large, static-free desk.
- Gather all components, tools, and screws.
- Touch a metal surface to discharge static electricity.

2. Install the CPU on the Motherboard

- Unlock the CPU socket lever.
- Align the CPU triangle marker with the socket marker.
- Gently place the CPU and lock the lever back down.

3. Apply Thermal Paste (If Required)

- If your cooler doesn't come with pre-applied paste, apply a pea-sized drop in the center of the CPU.

4. Install the CPU Cooler

- Position the cooler over the CPU.
- Screw or latch it firmly according to the cooler type.
- Connect the pump/fan cable to the CPU_FAN or AIO header.

5. Install RAM Modules

- Unlock RAM slots on the motherboard.
- Insert sticks in the recommended dual-channel slots.
- Press until the latches click.

6. Install the NVMe SSD

- Locate the M.2 slot.
- Insert the SSD at a slight angle.
- Push it down and secure with the M.2 screw.
- Reinstall the heatsink if provided.

7. Mount the Motherboard Inside the Case

- Install standoffs in the case if needed.
- Carefully place the motherboard inside.
- Align screw holes and secure the board.

8. Install the Power Supply Unit (PSU)

- Slide the PSU into its compartment.
- Screw it into place.

- Route major cables (24-pin, 8-pin CPU, PCIe, SATA).

9. Install the Graphics Card (GPU)

- Remove the appropriate PCIe slot covers.
- Insert the GPU into the top PCIe x16 slot.
- Secure with screws and connect PCIe power cables.

10. Connect All Power Cables

- 24-pin motherboard power.
- 8-pin (or 8+4) CPU power.
- PCIe power to GPU.
- SATA/Peripheral power if needed.

11. Connect Front I/O and Case Cables

- Connect power button, reset, HDD LED, power LED.

- USB 3.2, USB-C, and audio header cables.

12. Install Case Fans (If Needed)

- Mount intake fans at the front/bottom.
- Mount exhaust fans at the rear/top.
- Connect to fan headers or a hub.

13. Cable-Manage Everything

- Use zip ties or Velcro straps.
- Route cables through cutouts for a clean look.
- Keep airflow pathways clear.

14. Inspect All Connections

- Check that everything is seated correctly.
- Ensure no loose cables or screws.
- Confirm cooler, GPU, RAM, and PSU connections.

15. Power On and Enter BIOS

- Turn on the PSU and press the power button.

- Enter BIOS (Delete/F2) on startup.

- Check CPU/RAM storage is recognized.

- Enable XMP/EXPO for RAM.

16. Install the Operating System

- Boot from a USB installer.
- Install Windows/Linux.
- Install motherboard & GPU drivers.
- Update BIOS if needed.



Go to Simulator

9:41

100%

Good Morning



PC Assembly – Simulation



Good Morning



My Build 1 (Est. \$3,085 - \$3,685 CAD)

- Intel Ultra 5 235
- ASUS ROG STRIX Z790-F
- ASUS RTX 5060 Ti 8GB
- Corsair Dominator DDR5 6000
- Samsung 1TB NVMe Gen5
- Corsair H150i Elite LCD XT
- ROG Thor Platinum III 1200W
- Corsair 3500X ARGB

My Build 2 (Est. \$2,165 - \$2,635 CAD)

- AMD Ryzen 7 7700X
- MSI X670E Gaming Plus WiFi
- Gigabyte Radeon RX 9060 XT 8GB
- Crucial DDR5 6000 (32-64GB)
- Samsung 1TB NVMe Gen5
- Corsair Nautilus 360 RS ARGB
- MSI MAG A1000GL 1000W
- NZXT H9 ELITE WHITE

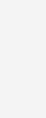


Good Morning



Intel

AMD



Search for any item...

PROCESSOR

Intel® Core™ Ultra 5 Processor 235 (24M Cache, up to 5.00 GHz)



14-core (6 P-cores + 8 E-cores), 14-thread CPU with 24 MB Smart Cache, up to 5.0 GHz turbo, supports DDR5 memory, integrated Intel Graphics with 3 Xe-cores, and AI acceleration via Intel DL Boost and AI Boost NPU.

[View full specifications](#)

MOTHERBOARD

ASUS ROG STRIX Z790-F GAMING WIFI II

\$490 - \$550

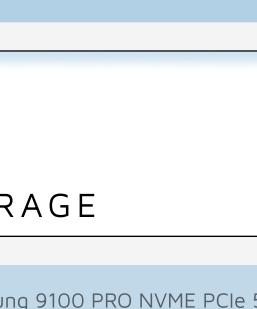


High-end Z790 motherboard with support for Intel 12th-14th Gen CPUs, DDR5-8000+ memory, PCIe 5.0 GPU slot, five M.2 PCIe 4.0 slots, Wi-Fi 7, 2.5Gb LAN, extensive USB options, and SupremeFX ALC4080 audio.

[View full specifications](#)

RAM

CORSAIR DOMINATOR TITANIUM RGB D...



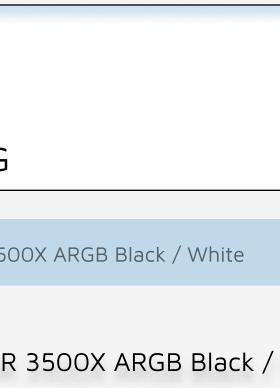
Premium DDR5 memory featuring a solid aluminum heat spreader, vibrant RGB lighting, and support for both Intel XMP and AMD EXPO. Delivers up to 6000MHz speeds with tight CL30 timings, ideal for high-performance gaming and workstation builds.

[View full specifications](#)

GPU

ASUS PRIME Geforce RTX 5060 Ti 8GB D...

\$580 - \$710



A high-performance ASUS PRIME RTX 5060 Ti with 8GB GDDR7, 772 TOPS AI power, fast 28Gbps memory, PCIe 5.0 support, and triple DisplayPort for smooth 4K/8K gaming and content creation.

[View full specifications](#)

POWER SUPPLY

ASUS ROG THOR PLATINUM III 1200W

\$540 - \$600



ASUS ROG Thor Platinum III 1200W PSU

delivers ultra-efficient 80 PLUS Platinum power with GaN MOSFETs, GPU-First voltage

stabilizer, modular cables, magnetic OLED

display, and ATX 3.1 compliance for rock-

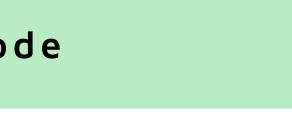
solid gaming and workstation performance.

[View full specifications](#)

COOLING

Corsair iCUE H150i ELITE LCD XT Display...

\$420 - \$480



Corsair iCUE H150i ELITE LCD XT is a 360mm

liquid CPU cooler with triple 120mm AF RGB

ELITE fans, aluminum radiator, LCD display,

digital fan control, and broad Intel/AMD

socket compatibility for high-performance

cooling.

[View full specifications](#)

STORAGE

Samsung 9100 PRO NVME PCIe 5.0 1T...

\$220 - \$280



Samsung 1TB NVMe M.2 SSD delivers blazing

speeds up to 14,700/13,300 MB/s,

1,850K/2,600K IOPS, AES 256 encryption,

1GB LPDDR4X cache, low power draw, and

Samsung V-NAND TLC for reliable high-

performance storage.

[View full specifications](#)

CASING

CORSAIR 3500X ARGB Black / White

\$115 - \$155



Mid-tower case supports Mini-ITX to E-ATX

motherboards, up to 410mm GPU, 170mm

CPU cooler, multiple radiator sizes, tempered

glass, ARGB lighting, and versatile ATX power

supply and expansion options for high-

performance builds.

[View full specifications](#)

Estimated TOTAL Cost(Excluding Taxes/Shipping) - \$3,085 - \$3,685 CAD

[Benchmark My Build](#)[Show in AR Mode](#)[Build this in Simulator](#)

Good Morning



Intel® Core™ Ultra 5 Processor 235 (24M Cache, up to 5.00 GHz)



CPU Specifications

Total Cores	14
Performance-cores	6
Efficient-cores	8
Total Threads	14
Max Turbo Frequency	5 GHz
P-core Max Turbo	5 GHz
E-core Max Turbo	4.4 GHz
P-core Base Frequency	3.4 GHz
E-core Base Frequency	2.9 GHz
Intel Smart Cache	24 MB
Total L2 Cache	26 MB
Processor Base Power	65 W
Maximum Turbo Power	121 W
Intel DL Boost (CPU)	Yes
CPU Lithography	TSMC N3B
Launch Date	Q1'25
Use Conditions	PC/Client/Tablet, Workstation

Memory Specifications

Max Memory Size	256 GB
Memory Types	Up to DDR5 6400 MT/s
Memory Channels	2
ECC Memory Supported	Yes

GPU Specifications

GPU Name	Intel® Graphics
Graphics Base Frequency	300 MHz
Max Dynamic Frequency	2 GHz
GPU Peak TOPS (Int8)	6
Xe-cores	3
Max HDMI Resolution	8K @ 60Hz
Max DisplayPort Resolution	8K @ 60Hz
Max eDP Resolution	4K @ 60Hz
DirectX Support	12
OpenGL Support	4.5
OpenCL Support	3
Intel Quick Sync Video	Yes
# of Displays Supported	4
Intel DL Boost (GPU)	Yes

NPU Specifications

NPU Name	Intel® AI Boost
Peak TOPS (Int8)	13
Sparsity Support	Yes
Windows Studio Effects	Yes

Expansion & Connectivity

DMI Revision	4
Max DMI Lanes	8
Thunderbolt 4	Yes
PCIe Revision	5.0 & 4.0

Package Specifications

Socket Supported	FCLGA1851
Thermal Solution	PCG 2022C
Max Operating Temperature	105°C

Good Morning



ASUS ROG STRIX Z790-F GAMING WIFI II.



Motherboard – ASUS ROG STRIX Z790-F GAMING WIFI II

CPU Support

Socket	LGA1700
Supported CPUs	Intel 14th / 13th / 12th Gen, P...

Turbo Boost

Turbo Boost	Supports TB 2.0 & TBM 3.0
-------------	---------------------------

Chipset

Chipset	Intel Z790
---------	------------

Memory

DIMM Slots	4
Max Capacity	192GB

Memory Type

Memory Type	DDR5
Speeds Supported	Up to DDR5-8000+ (OC)

Features

Features	XMP, OptiMem II, AEMP II, D...
----------	--------------------------------

Graphics (CPU Dependent)

DisplayPort	1 x DP 1.4 (8K@60Hz)
HDMI	1 x HDMI 2.1 (4K@60Hz)

Expansion Slots

PCIe 5.0	1 x x16 (CPU)
PCIe 4.0	1 x x16 (x4 mode)

PCIe 3.0

PCIe 3.0	1 x x1
----------	--------

Storage

M.2 Slots	5 x M.2 (PCIe 4.0, 2242-22110)
SATA	4 x SATA 6Gb/s

RAID

RAID	PCIe/SATA RAID 0/1/5/10
------	-------------------------

Networking

Ethernet	Intel 2.5Gb LAN + LANGuard
Wireless	Wi-Fi 7 (2x2, 2.4/5/6GHz)

Bluetooth

Bluetooth	Bluetooth 5.4
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USB

Rear USB	14 ports (USB-C 20Gbps, US...
Front USB	USB-C 20Gbps (30W PD), U...

Audio

Codec	ROG SupremeFX ALC4080
Features	5.1 Surround, S/PDIF, 32-bit/...

Good Morning



CORSAIR DOMINATOR TITANIUM RGB DDR5
6000MHz - AMD Expo & Intel XMP
(32GB-64GB) KIT



CORSAIR DOMINATOR TITANIUM RGB DDR5 6000MHz (EXPO & XMP)

Memory Size	32GB–64GB Kits
Memory Type	DDR5 UDIMM (288-pin)
Speed	6000MHz
Tested Latency	CL30-36-36-76
Tested Voltage	1.40V
SPD Speed	4800MHz
SPD Latency	40-40-40-77
SPD Voltage	1.1V
Heat Spreader	Aluminum
LED Lighting	RGB
Performance Profiles	Intel XMP & AMD EXPO
Compatibility	AMD 600, Intel 600 & 700 Se...



Good Morning



ASUS PRIME Geforce RTX 5060 Ti 8GB DDR7 OC



GPU Specifications

Model	PRIME-RTX5060TI-O8G
Graphics Engine	NVIDIA GeForce RTX 5060 Ti
AI Performance	772 TOPs
Bus Standard	PCIe 5.0
OpenGL	4.6
Video Memory	8GB GDDR7
Boost Clock (OC)	2647 MHz
Boost Clock (Default)	2617 MHz
CUDA Cores	4608
Memory Speed	28 Gbps
Memory Interface	128-bit
Max Resolution	7680 × 4320
Ports	1× HDMI, 3× DP
HDCP	Yes (2.3)
Max Displays	4
NVLink	No

Accessories

Included	Manual & Extras
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Physical

Dimensions	304 × 120 × 50 mm
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Slot	2.5 Slot
------	----------

Power

Recommended PSU	550W
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Power Connector	1 × 8-pin
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Good Morning



ASUS ROG THOR PLATINUM III 1200W



Featuring a GaN MOSFET, "GPU-First" patented intelligent voltage stabilizer and a magnetic OLED display, ROG Thor 1200W Platinum III delivers unmatched performance and rock-solid stability for your ultimate PC build. GaN MOSFET delivers up to 30% more power efficiency than standard MOSFETs and a more organized internal layout for cooler operation. "GPU-First" voltage sensing with patented intelligent voltage stabilizer enhances voltage delivery to your graphics card by up to 45% for smoother gaming and unwavering performance. Magnetic OLED display shows a real-time power draw and can be swapped to either side of the unit to accommodate fan-up or fan-down PSU installation. Turbo Mode: Premium components and a fine-tuned fan curve unlock support for extended power excursions. ROG heatsinks and a fully aluminum enclosure synergize for superior cooling, keeping your system thermals under control. Dual-ball-fan bearings can last up to twice as long as sleeve bearing designs. ATX 3.1 compatible: ROG Thor Platinum III is compliant with the ATX 3.1 standard, ensuring enhanced voltage and current regulation for the latest hardware. Etched modular cables with a pliable premium material ensure effortless cable management and exceptional safety. Lambda A++ Certification: Certified low noise levels, below 15 dB. 80 PLUS Platinum certified: ROG Thor III utilizes low-ESR capacitors and premium components for industry-leading power efficiency.



Good Morning



Corsair iCUE H150i ELITE LCD XT Display Liquid CPU Cooler



Product Length 397

Product Width 119.6

Product Height 119.6

Number of Fans 3

Radiator Material Aluminum

Fan Dimensions 120mm x 25mm

Cooling Socket Support Intel 1700, Intel 1200, Intel 1150, Intel 1151, Intel 1156, Intel 2011, Intel 2066, AMD sTR5, AMD AM5, AMD sTR4, AMD AM4

Fan Speed 550 - 2100 RPM ±10%

Fan Airflow 13.8 - 65.57 CFM

Fan Static Pressure 0.17 - 2.68 mm-H2O

Radiator Size 360mm

iCUE Software Yes

Fan Model AF RGB ELITE

Tubing Length 450mm

Coldplate Dimensions 56x56mm

Tubing Material Black Sleeved Low-Permeation Rubber

Fan Control Method Digital

AMD Processors Supported Ryzen Threadripper, Ryzen, A-Series

Intel Processors Supported Core i9, i7, i5, i3, Pentium, Celeron

Weight 2.61



Good Morning



Samsung 9100 PRO NVME PCIe 5.0 1TB - 4TB



Samsung 1TB NVMe M.2 SSD

Interface	PCIe 5.0 x4, NVMe 2.0
Form Factor	M.2 2280 / M.2 2280 with He...
Sequential Read/Write	14,700 / 13,300 MB/s
Random Read/Write	1,850K / 2,600K IOPS (QD32)
Power Active	7.6W / 7.2W
Device Sleep	4.0mW / 3.3mW
Data Encryption	AES 256 (Class 0), TCG/Opa...
Total Bytes Written (TBW)	600
NAND	Samsung V-NAND TLC (V8)
Controller	In-House Controller
Cache Memory	1GB LPDDR4X
Capacity	1TB
Dimensions (W×H×D)	0.9 × 0.09 × 3.2 in.
Package Size	3.9 × 0.9 × 5.6 in.
Inner Box Size	7.2 × 5.4 × 9.4 in.
Weight	0.02 lb (Product) / 0.16 lb (Pa...



Good Morning



CORSAIR 3500X ARGB Black



Case Height: 506mm

Case Length: 460mm

Case Width: 240mm

Weight: 10.54kg

Motherboard Support: Mini-ITX, Micro-ATX, ATX, E-ATX
(305mm x 277mm)

Case Size: N/A

Case Power Supply: ATX

Radiator Compatibility: 120mm, 140mm, 240mm, 280mm,
360mm

Compatible Liquid Coolers: H60, H100, H115, H150 (All Series)

Maximum GPU Length: 410mm

Maximum CPU Cooler Height: 170mm

Maximum PSU Length: 180mm

Case Expansion Slots: 7 Horizontal or 4 Vertical

Front I/O:

- 1x USB 3.2 Gen 2 Type-C
- 2x USB 3.2 Gen 1 Type-A
- 1x Audio In/Out

Case Window: Tempered Glass

Color Options: Black / White



Good Morning



Skip the guide

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- If your cooler doesn't come with pre-applied paste, apply a pea-sized drop in the center of the CPU.

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- Position the cooler over the CPU.
- Screw or latch it firmly according to the cooler type.
- Connect the pump/fan cable to the CPU_FAN or AIO header.

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- Unlock RAM slots on the motherboard.
- Insert sticks in the recommended dual-channel slots.
- Press until the latches click.

6. Install the NVMe SSD

- Locate the M.2 slot.
- Insert the SSD at a slight angle.
- Push it down and secure with the M.2 screw.
- Reinstall the heatsink if provided.

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- Install standoffs in the case if needed.
- Carefully place the motherboard inside.
- Align screw holes and secure the board.

8. Install the Power Supply Unit (PSU)

- Slide the PSU into its compartment.
- Screw it into place.

- Route major cables (24-pin, 8-pin CPU, PCIe, SATA).

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- Remove the appropriate PCIe slot covers.
- Insert the GPU into the top PCIe x16 slot.
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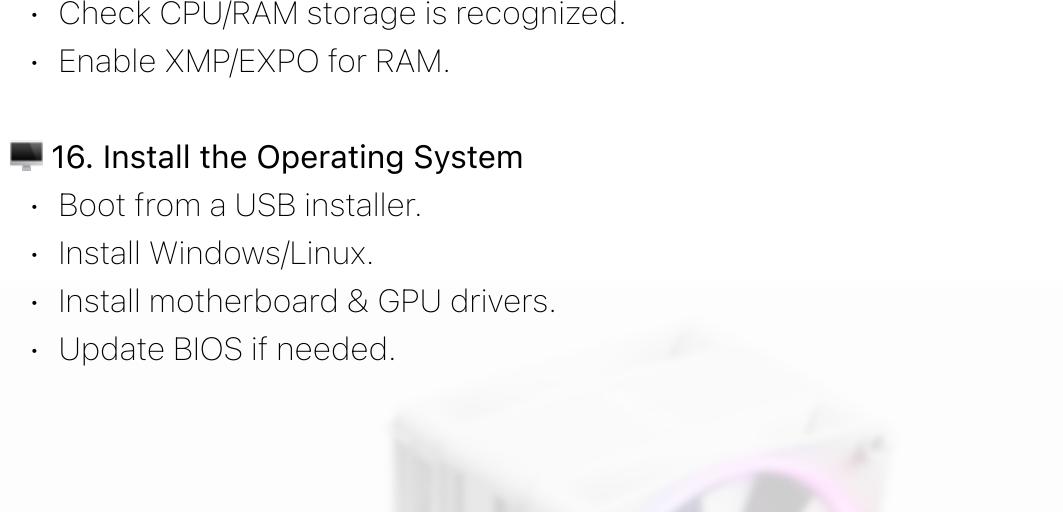
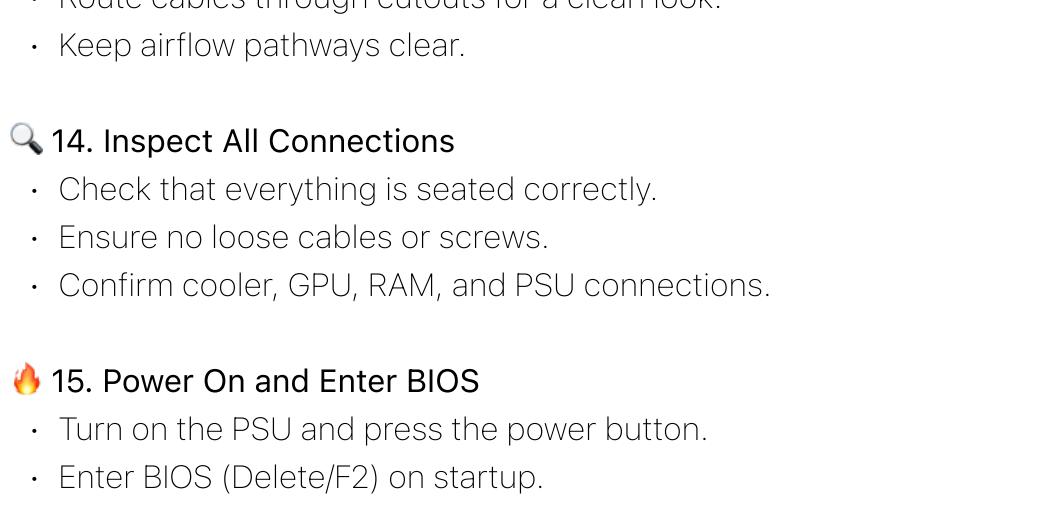
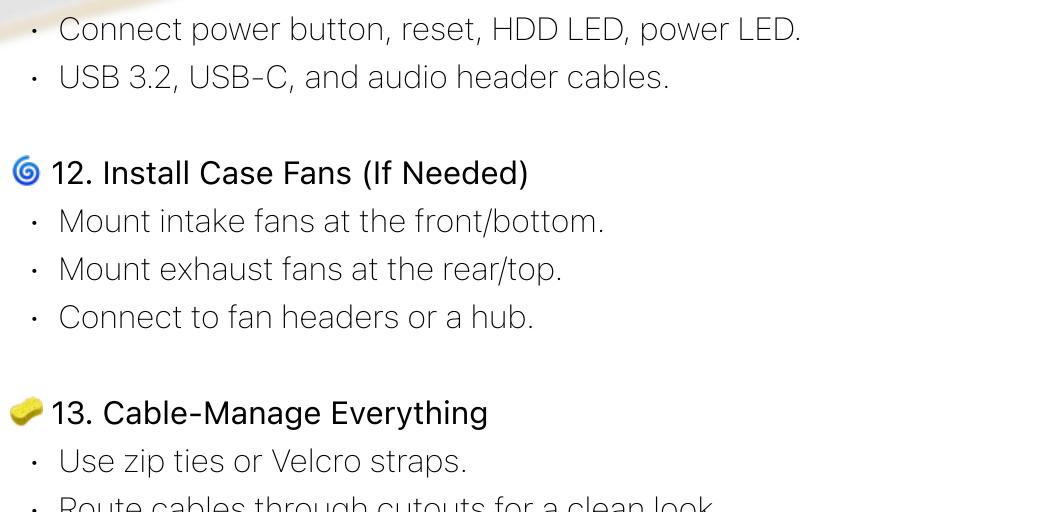
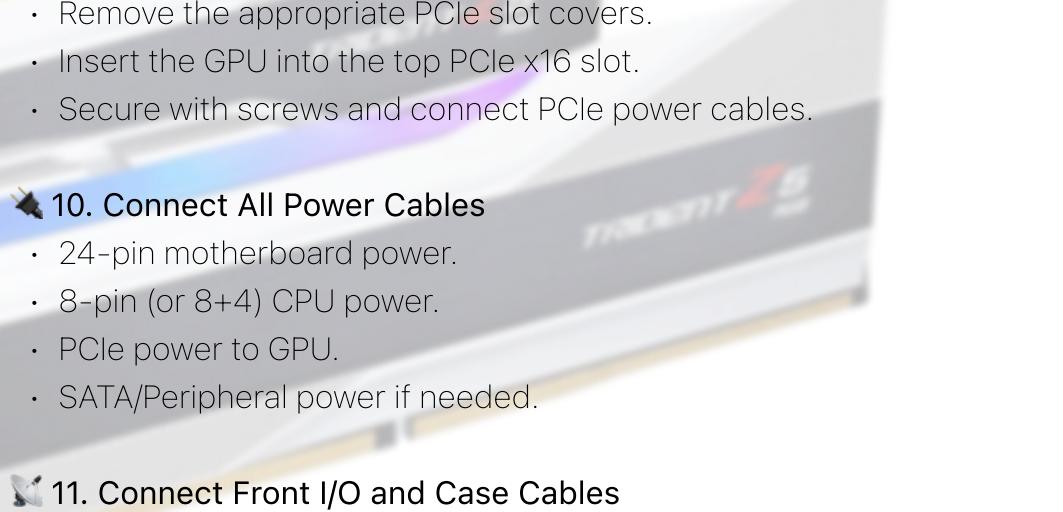
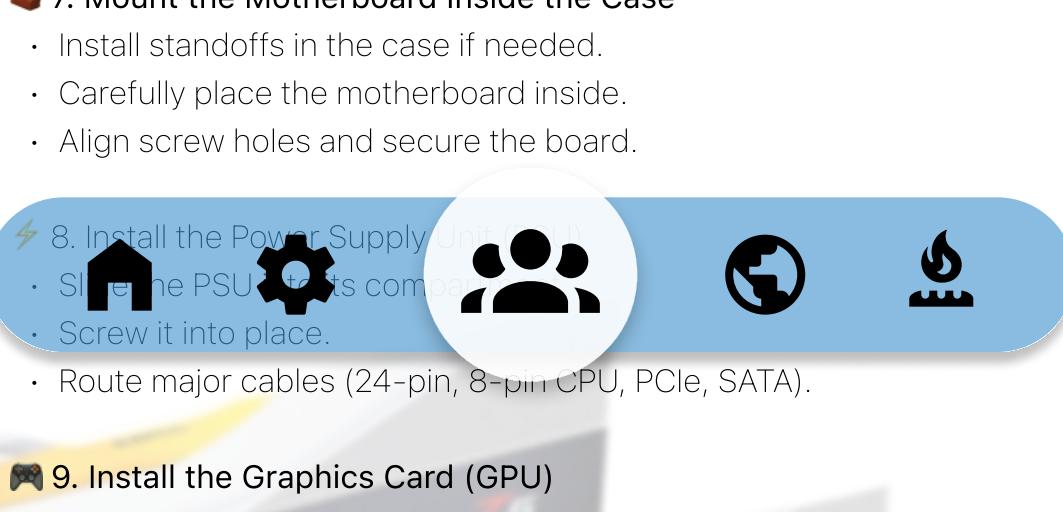
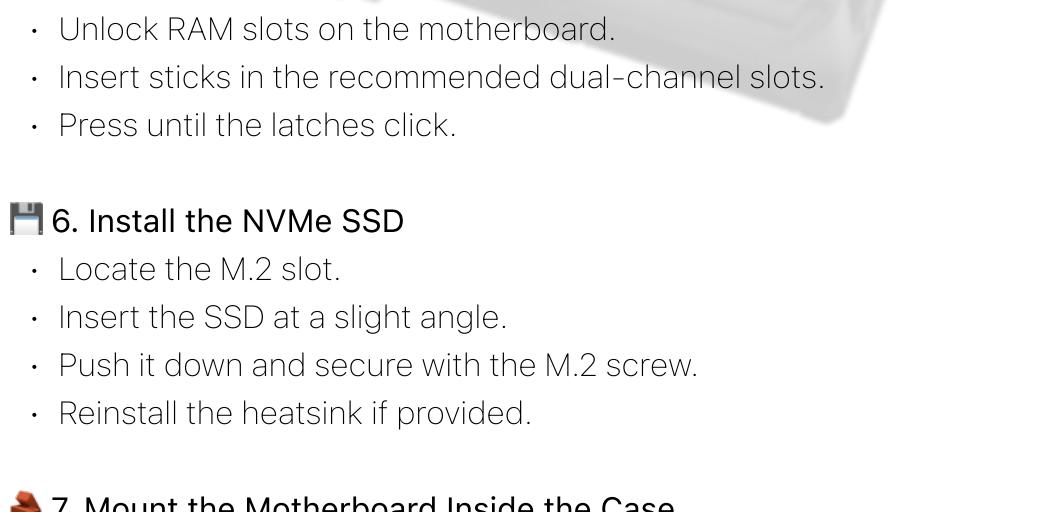
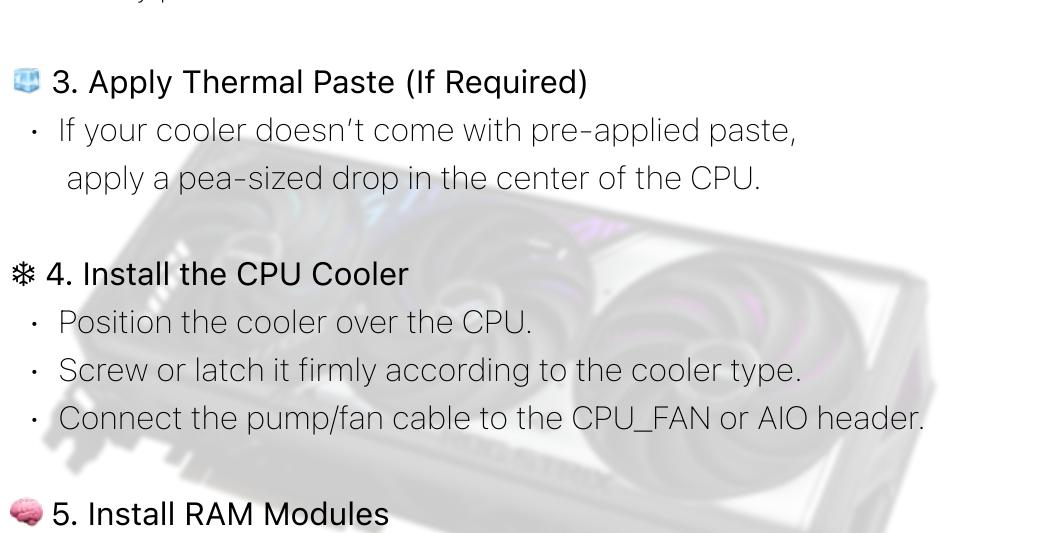
- Keep airflow pathways clear.

14. Inspect All Connections

- Check that everything is seated correctly.

- Ensure no loose cables or screws.

- Confirm cooler, GPU, RAM, and PSU connections.



Go to Simulator

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Good Morning



PC Assembly – Simulation



9:41

100%

Good Morning



My Build 1

1440p



~120.5%



~110.8%

See Full Scores

My Build 2

1440p



~115.0%



~19,837

See Full Scores



Try New Benchmark



Good Morning

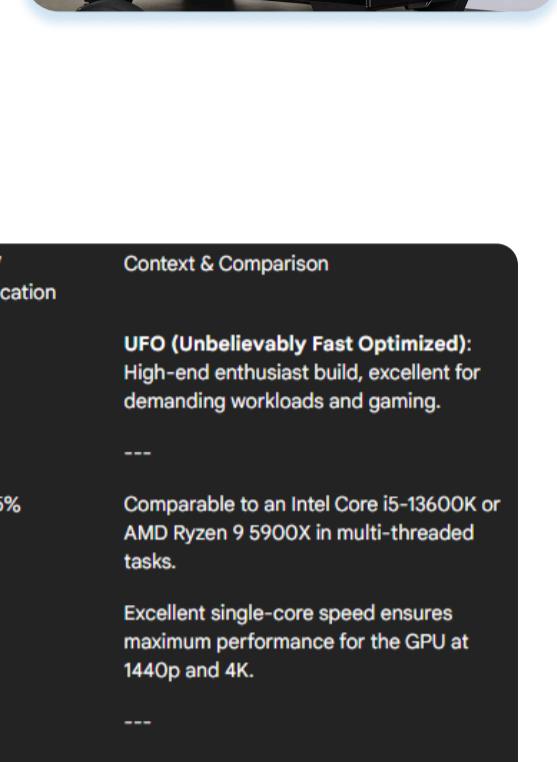


My Build 1

My Build 2

Build Specs

- Intel Ultra 5 235
- ASUS ROG STRIX Z790-F
- ASUS RTX 5060 Ti 8GB
- Corsair Dominator DDR5 6000
- Samsung 1TB NVMe Gen5
- Corsair H150i Elite LCD XT
- ROG Thor Platinum III 1200W
- Corsair 3500X ARGB



🏆 System Performance

Component	Metric (Estimated)	Score / Specification	Context & Comparison
Overall PC Status	Effective Speed Rating	155%	UFO (Unbelievably Fast Optimized): High-end enthusiast build, excellent for demanding workloads and gaming.
---	---	---	---
CPU: Intel Ultra 5 235	Multi-Core Speed	~120.5%	Comparable to an Intel Core i5-13600K or AMD Ryzen 9 5900X in multi-threaded tasks.
	Gaming Bottleneck	None	Excellent single-core speed ensures maximum performance for the GPU at 1440p and 4K.
---	---	---	---
GPU: ASUS RTX 5060 Ti 8GB	G3D Mark / Effective Speed	~110.8%	Performance is on par with or slightly better than an NVIDIA RTX 3070 Ti.
	Target Resolution	1440p High Refresh Rate	Capable of high FPS (> 90 FPS) in most AAA titles. Entry-level 4K gaming supported via DLSS 4.
---	---	---	---
RAM: Corsair DDR5 6000	Frequency / Configuration	6000 MT/s	The "sweet spot" for Intel's platform, providing ideal data access speed.
Storage: Samsung NVMe Gen5	Sequential Read Speed	~8,000 - 10,000 MB/s	Utilizes PCIe 5.0 for near-instantaneous load times.
PSU: ROG Thor 1200W	Power Headroom	Over-Specced	Provides extreme stability, maximum power efficiency (Platinum), and significant room for any future upgrades.
Cooler: Corsair H150i Elite LCD XT	Thermal Performance	Exceptional	High-end 360mm AIO ensures the CPU sustains maximum boost clocks under heavy load.

🎮 Estimated Gaming Performance (FPS)

Game Title (Estimated)	Resolution & Settings	Avg. FPS (Estimated Range)	Key Notes
Elden Ring / Cyberpunk 2077	1440p High/Ultra (RT OFF)	85 – 105 FPS	Excellent experience, pushing into high refresh territory.
Cyberpunk 2077 (RT)	1440p Ultra (Ray Tracing ON, DLSS 4 Quality)	65 – 80 FPS	DLSS 4 with Frame Generation is critical for maintaining high frame rates with demanding Ray Tracing.
Call of Duty: Warzone	1440p High	120 – 160 FPS	The high single-core speed of the Ultra 5 235 and the fast RAM excel here.
Forza Horizon 5	4K High/Ultra	60 – 80 FPS	Playable 4K gaming, particularly when using DLSS.
Starfield / New AAA Titles	1440p Ultra	70 – 95 FPS	Very solid performance, but 8GB VRAM may require slight texture compromises in a few games.

CPU & GPU Synergy (Why it works)

- CPU (Intel Ultra 5 235): The new Core Ultra architecture delivers superior single-core performance compared to its predecessor (estimated 1\$ sim \$10% faster than the i5-13600KF).² This is the single most important factor for high-end gaming frame rates, ensuring your powerful GPU is never waiting on the CPU.
- GPU (RTX 5060 Ti 8GB): This card delivers performance estimated to be around the level of an RTX 3070 Ti or better.³ It is a modern GPU supporting all of NVIDIA's latest technologies:
 - DLSS 4: Next-generation upscaling provides significant FPS boosts, effectively letting you run games at a higher resolution (e.g., 4K) with 1440p performance.
 - Multi Frame Generation (MFG): Creates new frames using AI, dramatically increasing the displayed FPS for a smoother experience.

In summary, this is an excellent 1440p gaming rig that is also capable of high-quality, upscaled 4K gaming.

⚠️ A Note on 8GB VRAM

The one potential limiting factor for this configuration is the 8GB of VRAM on the RTX 5060 Ti.

- At 1440p, this is generally sufficient, but some unoptimized or highly demanding new AAA titles (like The Last of Us Part I or Hogwarts Legacy) at maximum texture settings can exceed 8GB and lead to stuttering.
- For 4K gaming, you will almost always need to rely on DLSS and may need to lower texture quality slightly to prevent hitting the VRAM limit.

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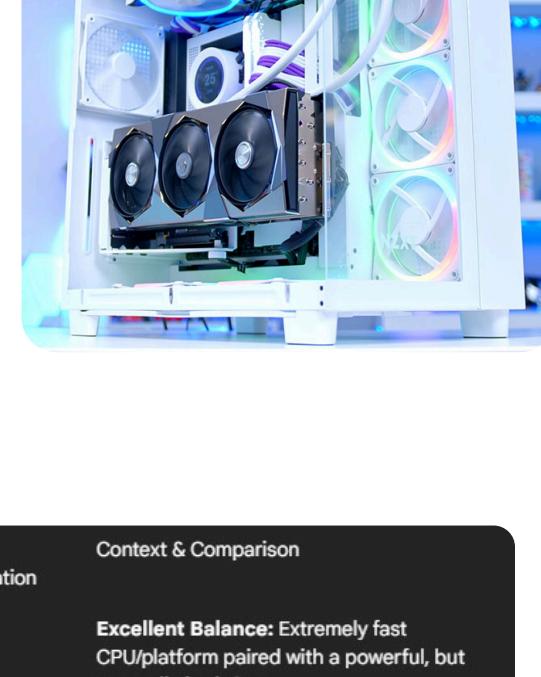


My Build 1

My Build 2

Build Specs

- AMD Ryzen 7 7700X
- MSI X670E Gaming Plus WiFi
- Gigabyte Radeon RX 9060 XT 8GB
- Crucial DDR5 6000 (32-64GB)
- Samsung 1TB NVMe Gen5
- Corsair Nautilus 360 RS ARGB
- MSI MAG A1000GL 1000W
- NZXT H9 ELITE WHITE



🏆 System Performance

Component	Metric (Estimated)	Score / Specification	Context & Comparison
Overall PC Status	Effective Speed Rating	145%	Excellent Balance: Extremely fast CPU/platform paired with a powerful, but VRAM-limited, GPU.
---	---	---	---
CPU: AMD Ryzen 7 7700X	Single-Core Speed	~115%	Outstanding: The 7700X is one of the best gaming CPUs (non-3D V-Cache), ensuring zero bottleneck at 1440p.
Motherboard: MSI X670E	Chipset	X670E	Enthusiast-Grade: Supports full PCIe 5.0 for both the GPU and SSD. Ideal platform for high-end AM5.
GPU: RX 9060 XT 8GB	G3D Mark (Synthetic)	~19,837	Performance is similar to an RTX 3060 Ti or a heavily VRAM-limited RX 7700 XT.
RAM: Crucial DDR5 6000	Frequency / Latency	6000 MT/s	This is the ideal "sweet spot" for AMD's Ryzen 7000 series (1:1 memory controller synchronization).
Storage: Samsung NVMe Gen5	Sequential Read Speed	~8,000 - 10,000 MB/s	Takes full advantage of the X670E and provides near-instant loading times.
PSU: MSI MAG A1000GL 1000W	Power Headroom	Excellent	1000W is far more than required (~400W system draw), guaranteeing maximum efficiency and stability.

🎮 Estimated Gaming Performance (FPS)

Game Title (Estimated)	Resolution & Settings	Avg. FPS (Estimated Range)	Key Limitation
Cyberpunk 2077	1440p High (FSR 4 Quality)	80 – 95 FPS	Strong: FSR 4 is essential for hitting HRR targets.
Cyberpunk 2077 (RT)	1440p Medium (FSR 4 Performance)	45 – 55 FPS	Acceptable: AMD's Ray Tracing performance is improved, but still trails NVIDIA.
Starfield / New AAA Titles	1440p Ultra	60 – 75 FPS	VRAM Limit: The 8GB VRAM will cause stutters and low 1% lows when maxing out textures.
Competitive Games	1440p Low/Medium	200+ FPS	CPU Dominates: The R7 7700X ensures extremely high competitive frame rates.
Forza Horizon 5	4K High (FSR 4)	50 – 65 FPS	Borderline: 4K is possible, but textures and settings must be managed carefully due to 8GB VRAM.

❗ Critical Note on the GPU (RX 9060 XT 8GB)

While the RX 9060 XT is a fast GPU based on the newer RDNA 4 architecture, performance reviews consistently show the 8GB VRAM version struggles significantly in VRAM-heavy titles at 1440p and above.

- In titles like Monster Hunter Wilds or Indiana Jones and the Great Circle, the 8GB model can see a 30-50% performance reduction compared to the 16GB model of the exact same GPU when running high-quality 1440p settings, because it runs out of memory and has to utilize slower system RAM.

Recommendation: For a premium build with an \$text{X670E}\$ motherboard and \$text{R7 7700X}\$, consider upgrading to the RX 9060 XT 16GB or the RX 9070 for a truly optimized, future-proof 1440p/4K experience that utilizes the full power of your CPU platform.

9:41

100%

Good Morning



New Benchmark

My Build 1

Processor

Select...



Motherboard

Select...



RAM

Select...



RAM 2 (Optional)

Select... (Optional)



Storage

Select...



Storage 2 (Optional)

Select... (Optional)



Cooling (Optional)

Select...



Casing

Select...



RUN BENCHMARK



Good Morning



Part Picker Wizard

We recommend parts for you.

1. What is your budget?

\$3000

2. What is primary usage?

Gaming

Work

Creative

FIND PARTS



9:41

100%

Good Morning



Total Build Cost

\$0 / \$3,000

Your Build

Case Preview Area

CPU

Processor



Required

MOBO

Motherboard



Empty

RAM

Memory



Empty

GPU

Graphics Card



Empty

SSD

Storage



Empty

PSU

Power supply



Empty

COOL

CPU Cooler



Empty

CASE

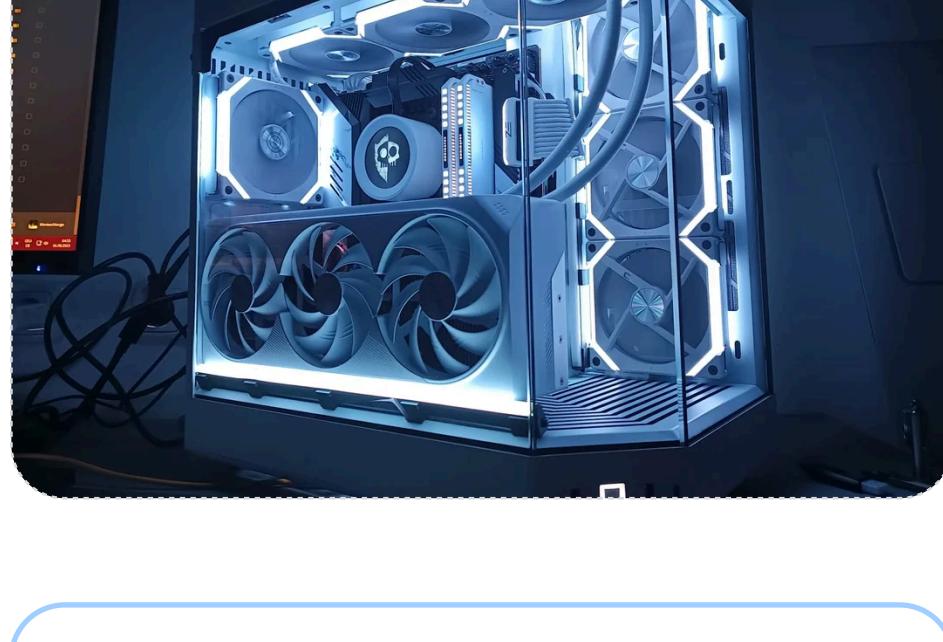
PC Case



Empty

FINISH BUILD

Good Morning

**Total Build Cost** \$2,625 / \$3,000**Your Build****Core i7-14700K**

CPU

\$359.00

ROG STRIX Z790-F GAMING

MOBO

WIFI

\$330.00

Vengeance RGB 32GB

RAM

\$125.00

Graphic Card: GeForce RTX 4080 Super

GPU

\$999.00

Samsung 990 PRO 2TB

SSD

\$169.00

Corsair RM1000x Shift

PSU

\$179.00

NZXT Kraken Elite 360 RGB

COOL

\$285.00

HYTE Y60 (White)

CASE

\$179.00

FINISH BUILD

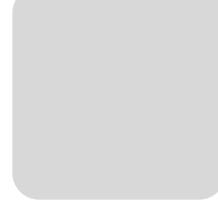
Good Morning



← Select Processor

Intel

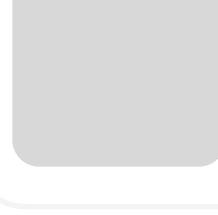
AMD



✓ Compatible

Core i9-14900K

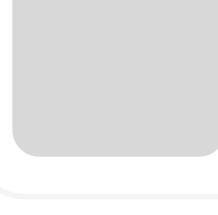
24 Cores (8P+16E), up to 6.0 GHz

\$ 465.00

✓ Compatible

Core i7-14700K

20 Cores (8P+12E), up to 5.6 GHz

\$ 359.00

✓ Compatible

Core i5-14600K

14 Cores (6P+8E), Best Value

\$ 299.00

Good Morning



← Select Motherboard

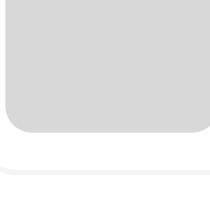
ASUS

MSI

 ✓ Compatible

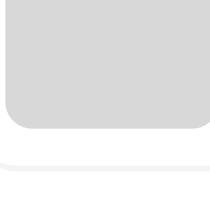
ROG MAXIMUS Z790 DARK HERO

High-End, WiFi 7, PCIe 5.0

\$ 649.00 ✓ Compatible

ROG STRIX Z790-F GAMING WIFI

Best Balance, DDR5 Support

\$ 330.00 ✓ Compatible

ASUS PRIME Z790-A WIFI

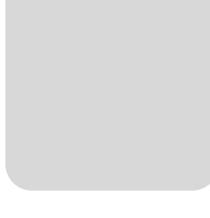
Clean White Aesthetics

\$ 239.00

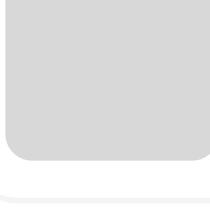
Good Morning



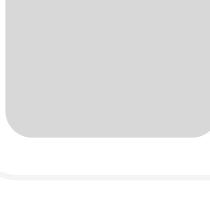
← Select Memory

Corsair**G.Skill** ✓ Compatible**Dominator Titanium RGB****32GB**

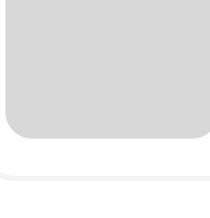
2x16GB DDR5 6600MHz CL32

\$ 185.00 ✓ Compatible**Vengeance RGB 32GB**

2x16GB DDR5 6000MHz CL30

\$ 125.00 ✓ Compatible**Vengeance 32GB (Non-****RGB)**

2x16GB DDR5 5600MHz

\$ 105.00 ✓ Compatible**Dominator Platinum RGB****64GB**

2x32GB DDR5 5200MHz

\$ 249.00

Good Morning



← Select Graphics Card

NVIDIA**AMD****✓ Compatible**

ROG Strix GeForce RTX 4090 OC

24GB GDDR6X, The Ultimate
\$ 1,999.00

**✓ Compatible**

GeForce RTX 4080 Super

16GB GDDR6X, 4K Gaming
\$ 999.00

**✓ Compatible**

GeForce RTX 4070 Ti Super

16GB GDDR6X, Best Value
\$ 799.00

**✓ Compatible**

GeForce RTX 4060 Ti

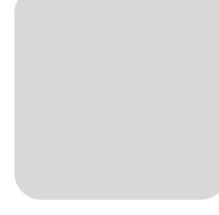
8GB GDDR6, 1080p Gaming
\$ 379.00



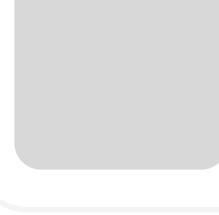
Good Morning



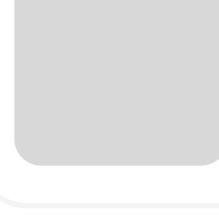
← Select Storage

Samsung**WD_Black****✓ Compatible****Samsung 990 PRO 2TB**

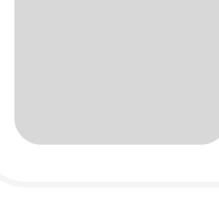
NVMe M.2, 7450 MB/s Read

\$ 169.00**✓ Compatible****Samsung 990 PRO 1TB**

NVMe M.2, 7450 MB/s Read

\$ 109.00**✓ Compatible****Samsung 980 PRO 2TB**

PCIe 4.0, Reliable Choice

\$ 139.00**✓ Compatible****Samsung 870 EVO 4TB**

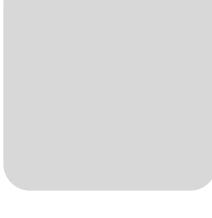
SATA SSD, Mass Storage

\$ 289.00

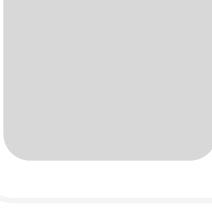
Good Morning



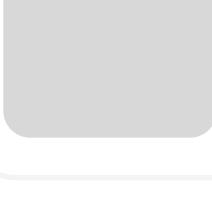
← Select Power Supply

Corsair**Seasonic** ✓ Compatible**Corsair RM1200x Shift**

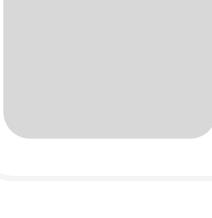
1200W, ATX 3.0, Gold

\$ 219.00 ✓ Compatible**Corsair RM1000x Shift**

1000W, Side Interface, Gold

\$ 179.00 ✓ Compatible**Corsair RM850e**

850W, Low Noise, Gold

\$ 119.00 ✓ Compatible**Corsair SF750**

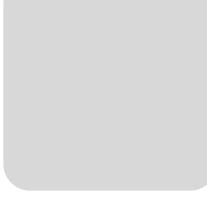
750W, SFX (Small Form Factor)

\$ 169.00

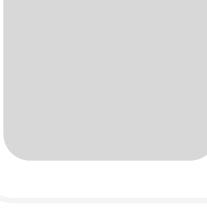
Good Morning



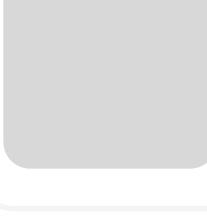
← Select CPU Cooler

Liquid AIO**Air Cooler** ✓ Compatible**NZXT Kraken Elite 360****RGB**

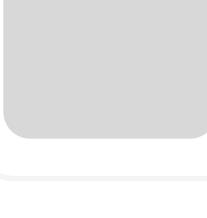
LCD Display, 360mm Rad

\$ 285.00 ✓ Compatible**Corsair iCUE H150i ELITE****LCD**

IPS Screen, 360mm Rad

\$ 249.00 ✓ Compatible**DeepCool LT720**

360mm, Infinity Mirror Block

\$ 139.00 ✓ Compatible**NZXT Kraken 240**

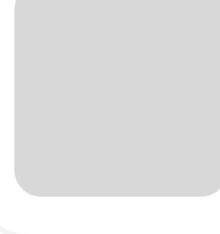
240mm, Compact Display

\$ 139.00

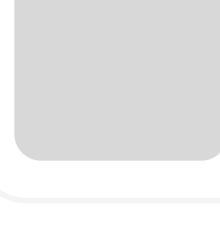
Good Morning



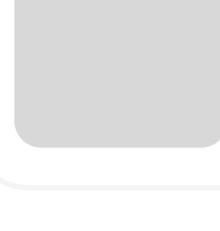
← Select PC Case

HYTE**Lian Li****✓ Compatible****HYTE Y60 (White)**

Panoramic Glass, Vertical GPU

\$ 179.00**✓ Compatible****HYTE Y70 Touch**

4K Integrated Touchscreen

\$ 359.00**✓ Compatible****HYTE Y40 (Black)**

Compact Mid-Tower

\$ 129.00

9:41

100%

Good Morning



Build Complete!

Ready to assemble your dream PC.



Total Estimated Cost

\$2,625.00

Configuration

8 Components Selected

✓ Compatible

[Save to My Builds](#)

[Share to Community](#)



Good Morning



Community Hub

[Trending](#)[Newest](#)

Kenji's Liquid Beast

RTX 4090 / i9-14900K



Minimalist Workstation

Ryzen 9 7950X / 64GB RAM / Fractal North Case



Good Morning



Build Details



Kenji's Liquid Beast

Posted 2 hours ago



Kenji

Description

Dream setup for 4K gaming and 3D rendering.

Temps never go above 60 °C thanks to the 360mm AIO.

Components (8)

Intel Core i9-14900K

\$465

Processor

ROG MAXIMUS Z790

\$649

Motherboard

Dominator Titanium 64GB

\$249

Memory

ROG Strix RTX 4090

\$1,999

Video Card

Samsung 990 PRO 2TB

\$169

Storage

Corsair RM1200x Shift

\$219

Power Supply

CPU Cooler

NZXT Kraken Elite 360

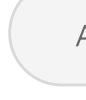
\$285

HYTE Y60 White

\$465

PC Case

Comments (2)



Alex

Wow! Does that GPU actually fit in the Y60?



Alex

Yes, but you need the vertical mount included with the case!

Add a comment...

Post