

Ultra-High Performance Windows Gaming PC Inventory (2025)

Component	Model/Option	Price (USD)	Description	Best Place to Buy	Intel vs. AMD Notes
CPU	Intel Core i9-14900KF	\$600	24-core (8P+16E), 6.0 GHz boost, top gaming & productivity	Amazon, Newegg	Intel: Best for raw speed, higher power draw
	AMD Ryzen 9 9950X3D	\$600	16-core/32-thread, 3D V-Cache, superb gaming & multitasking	Amazon, Newegg	AMD: Cooler, better value, slightly behind in some pro apps
GPU	ASUS ROG Strix RTX 4090 24GB	\$2,200	Flagship GPU, max 4K gaming, 24GB VRAM, Ada Lovelace architecture	Newegg, Micro Center	N/A
Motherboard	ASUS ROG Maximus Z790 Hero (Intel)	\$600	Z790 chipset, DDR5, PCIe 5.0, Wi-Fi 7, top-tier features	Amazon, Newegg	Intel only
	ASUS ROG Crosshair X870E Hero (AMD)	\$600	X870E chipset, DDR5, PCIe 5.0, Wi-Fi 7, top-tier features	Amazon, Newegg	AMD only
RAM	G.SKILL Trident Z5 RGB 64GB (2x32GB) DDR5-7200	\$350	64GB, DDR5, high speed, RGB, optimized for gaming and multitasking	Amazon, Newegg	Compatible with both
SSD (Boot)	Samsung 990 PRO 2TB M.2 NVMe PCIe 4.0	\$200	Ultra-fast PCIe 4.0 SSD, 2TB, best for OS and games	Amazon, Newegg	N/A
SSD (Storage)	Crucial T705 4TB M.2 NVMe PCIe 5.0	\$600	Next-gen PCIe 5.0 SSD, 4TB, blazing speeds for large files	Amazon, Newegg	N/A
PSU	Corsair RM1000x Shift 1000W Modular	\$200	1000W, 80+ Gold, fully modular, silent operation	Amazon, Newegg	N/A
CPU Cooler	Corsair iCUE H150i ELITE CAPELLIX XT 360mm	\$200	360mm AIO, RGB, excellent cooling for flagship CPUs	Amazon, Newegg	Compatible with both
Case	Fractal Design North XL	\$180	Premium airflow case, E-ATX support, elegant design	Amazon, Newegg	N/A

OS	Windows 11 Pro	\$200	Latest Windows, Pro features	Microsoft, Amazon	N/A
Wi-Fi/BT	Included on motherboard	\$0	Wi-Fi 7 and Bluetooth 5.x on both motherboards	N/A	N/A
Fans	Lian Li UNI FAN SL-INF 120mm (3-pack)	\$90	High-performance, RGB, quiet, for extra airflow	Amazon, Newegg	N/A
Thermal Paste	Thermal Grizzly Kryonaut	\$15	High-performance paste for best cooling	Amazon, Newegg	N/A

Estimated Total: ~\$5,035 (Intel or AMD, depending on CPU/Motherboard choice)

Intel vs. AMD: Value & Risk Comparison

Feature	Intel Core i9-14900KF	AMD Ryzen 9 9950X3D
Performance	Slightly better in productivity	Slightly better in gaming
Thermals	Runs hotter, needs strong cooling	Cooler, more efficient
Platform Longevity	May require new socket next gen	AM5 likely to support future CPUs
Price	Similar	Similar
Risk	Higher power draw, more heat	Slightly less performance in some pro apps