

Category	CPU Name	Brand	Cores	Speed	Socket	Price
CPU	Ryzen 9 7950X	AMD	16	4.5GHz	AM5	\$588.91
CPU	Threadripper 3990X	AMD	64	2.9GHz	sTRX4	\$7,967
CPU	Ryzen 7 7700X	AMD	8	4.5GHz	AM5	\$341.46
CPU	Ryzen 5 7600X	AMD	6	4.7GHz	AM5	\$242.67
CPU	Ryzen 3 3300X	AMD	4	3.8GHz	AM4	\$230
CPU	Intel Core i9-13900K	Intel	24	3GHz	LGA1700	\$569.99
CPU	Intel Xeon E5-2699	Intel	22	2.2GHz	LGA2011-3	\$800
CPU	Intel Xeon E5-4650	Intel	8	2.7GHz	LGA2011	\$4,229
CPU	Intel Core i7-13700K	Intel	16	3.4GHz	LGA1700	\$417.48
CPU	Intel Core i7-6950X	Intel	10	3GHz	LGA2011-3	\$774.50

Category	Motherboard name	Brand	CPU Socket
Motherboard	Asus ROG Zenith II Extreme	Asus	sTRX4
Motherboard	MSI MAG B660 Tomahawk	MSI	LGA1700
Motherboard	Asus ROG MAXIMUS Z690 EXTREME	Asus	LGA1700
Motherboard	MSI MEG X670E GODLIKE	MSI	AM5
Motherboard	Gigabyte B650 AORUS ELITE	Gigabyte	AM5
Motherboard			AM4
Motherboard	Supermicro MBD-X10DRI-O EATX	Supermicro	LGA2011-3
Motherboard	Supermicro X10DRL-i ATX	Supermicro	LGA2011

PCIe x16 Slots	SATA Slots	Memory Slots	Price
4	8	8	\$899.99
2	6	4	\$189.99
2	6	4	\$1,089.99
3	8	4	\$1,299.99
3	4	4	\$229.99
3	10	16	\$699.55
1	10	8	\$429

Category	Graphic card name	Chipset	Brand	PCIe needed
Graphics Card	Asus ROG STRIX GAMING OC	GeForce RTX 4090	Asus	1 PCIe 16-pin
Graphics Card	PNY VCQGV100-PB	Quadro GV100	PNY	PCIe 8-pin + 4-pin
Graphics Card	PowerColor Red Devil OC	Radeon RX 6750 XT	PowerColor	2 PCIe 8-pin
Graphics Card	PNY RTX A-Series	RTX A6000	PNY	PCIe x16
Graphics Card	Gigabyte AORUS MASTER	GeForce RTX 4090	Gigabyte	PCIe 16-pin

Power Needed	Memory	Speed	Price
450W	24GB	2235MHz	\$1,999.99
250W	32GB	1200MHz	\$10,560
250W	12GB	2593MHz	\$691.54
300W	48GB	1455MHz	\$3,995
450W	24GB	2235MHz	\$1,829.98

Category	Ram Name	Brand	Amount	Memory	Speed
Ram	Kingston FURY Renegade	Kingston	2 8 GB		5333 Mhz
Ram	G.Skill Ripjaws V	G.Skill	2 8 GB		4000 Mhz
Ram	Corsair Vengeance RGB RT	Corsair	8 32 GB		3600 Mhz
Ram	G.Skill Aegis 32 GB	G.Skill	2 16 GB		2400 Mhz
Ram	Crucial Ballistix MAX 16 GB	Crucial	2 8 GB		5100 Mhz

First Word Latency	Price
7.5 ns	\$240.25
7 ns	\$229.88
10 ns	\$1,379.99
14.167 ns	\$59.99
7.451 ns	\$882.70

Category	Storage Name	Brand	Space	Read speed	Write speed
Storage	Samsung 980 Pro 2 TB	Samsung	2 TB	7 GB/s	5GB/s
Storage	Enmotus FuzeDrive 900 GB	Enmotus	900 GB	3.5 GB/s	3.5GB/s
Storage	Samsung 990 Pro 2 TB	Samsung	2 TB	7.5 GB/s	7GB/s
Storage	Western Digital Black SN770 2 TB	WD	2 TB	5 GB/s	5GB/s
Storage	Crucial P5 Plus 2 TB	Crucial	2 TB	6.6 GB/s	5 GB/s

Connectors	Price
PCIe 4.0 X4	\$159.99
M.2 PCIe 3.0 X4	\$199.67
M.2 PCIe 4.0 X4	\$256.10
M.2 PCIe 4.0 X4	\$134.99
M.2 PCIe 4.0 X4	\$161.99

Category	Case name	Manufacturer	Power supply wattage
Case	Lian Li O11 Dynamic	Lian Li	750 W
Case	HYTE REVOLT 3	HYTE	700 W
Case	In Win A1 Plus	In Win	650 W
Case	EVGA Hadron Hydro	EVGA	500 W
Case	Fractal Design Node 202	Fractal Design	450 W

Motherboard Form Factor	Front Panel ports	Price
ATX, Micro ATX, Mini ITX	USB 3.2 Gen 2 Type-C, USB 3.2 Gen 1 Type-A	\$169.99
Mini ITX	USB 3.2 Gen 2 Type-C, USB 3.2 Gen 1 Type-A	\$199.99
Mini ITX	USB 3.2 Gen 1 Type-A	\$365.71
Mini ITX	USB 3.2 Gen 1 Type-A	\$212.37
Mini ITX	USB 3.2 Gen 1 Type-A	\$159.99