

NVIDIA GeForce RTX™ 50 Series GPU Specifications

Product Name	GPU Memory	Memory Bandwidth (Est.)	CUDA® Cores (Est.)	Tensor Cores (Est.)	RT Cores (Est.)	Power & Thermal (Est.)	Display Connectors (Est.)	Max Displays
GeForce RTX 5090	32 GB GDDR7	~1,500–1,800 GB/s	~21,000–24,000	~650–750	~160–190	~450–500 W	DP 2.1 ×4 / HDMI 2.1	4
GeForce RTX 5080	16 GB GDDR7	~1,000–1,200 GB/s	~14,000–16,000	~450–520	~110–130	~320–350 W	DP 2.1 ×4 / HDMI 2.1	4
GeForce RTX 5070 Ti	16 GB GDDR7	~750–900 GB/s	~10,000–11,500	~320–360	~80–95	~260–285 W	DP 2.1 ×4 / HDMI 2.1	4
GeForce RTX 5070	12 GB GDDR7	~600–700 GB/s	~8,000–9,000	~260–300	~65–75	~220–250 W	DP 2.1 ×4 / HDMI 2.1	4
GeForce RTX 5060 Ti (16 GB)	16 GB GDDR7	~500–600 GB/s	~6,000–7,000	~200–240	~50–60	~180–200 W	DP 2.1 ×3 / HDMI 2.1	4
GeForce RTX 5060 Ti (8 GB)	8 GB GDDR7	~500–600 GB/s	~6,000–7,000	~200–240	~50–60	~180–200 W	DP 2.1 ×3 / HDMI 2.1	4
GeForce RTX 5060	8 GB GDDR7	~400–480 GB/s	~4,500–5,500	~160–190	~40–48	~150–170 W	DP 2.1 ×3 / HDMI 2.1	4

NVIDIA RTX PRO™ Blackwell Edition GPU Specifications

RTX PRO™ Blackwell Edition (Workstation)	GPU Memory	Memory Bandwidth	CUDA® Cores	Tensor Cores	RT Cores	Power & Thermal	Display Connectors	Max Displays
RTX PRO 6000 Blackwell Workstation Edition	96 GB GDDR7 ECC	~1792 GB/s	24,064	752 (5th Gen)	188 (4th Gen)	600 W TDP (Active)	4× DP 2.1	4
RTX PRO 6000 Blackwell Max-Q	96 GB GDDR7 ECC	~1792 GB/s	24,064	752	188	~300 W TDP	4× DP 2.1	4
RTX PRO 5000 Blackwell	48 GB GDDR7 ECC	~1344 GB/s	14,080	440	110	~300 W TDP	4× DP 2.1	4

RTX PRO 4500 Blackwell	32 GB GDDR7 ECC	~896 GB/s	10,496	328	82	~200 W TDP	4× DP 2.1	4
RTX PRO 4000 Blackwell	24 GB GDDR7 ECC	672 GB/s	8,960	280	70	145 W TDP	4× DisplayPort 2.1b	>4
RTX PRO 4000 Blackwell SFF	24 GB GDDR7 ECC	432 GB/s	8,960	280	70	70 W TDP	4× DisplayPort 2.1b	≥4
RTX PRO 2000 Blackwell	16 GB GDDR7 ECC	288 GB/s	4,352	136	34	70 W TDP	4× Mini DisplayPort 2.1b	≤4

NVIDIA RTX™ Ada Generation Edition GPU Specifications

Product Name	GPU Memory	Memory Bandwidth	CUDA® Cores	Tensor Cores	RT Cores	Power & Thermal	Display Connectors	Max Displays
RTX 6000 Ada Generation	48 GB GDDR6 ECC	960 GB/s	18,176	568	142	300 W TDP (Active)	4× DisplayPort 1.4a	>4
RTX 5000 Ada Generation	32 GB GDDR6 ECC	~768 GB/s	12,800	400	100	~250 W TDP	4× DisplayPort 1.4a	>4
RTX 4500 Ada Generation	24 GB GDDR6 ECC	~432 GB/s	~7,680	~240	~60	~210 W TDP	4× DisplayPort 1.4a	>4
RTX 4000 Ada Generation	24 GB GDDR6 ECC	~432 GB/s	~6,144	~192	~48	~130 W TDP	4× DisplayPort	>4
RTX 2000 Ada Generation	16 GB GDDR6	~256 GB/s	~2,816	~88	~22	~70 W TDP	4× Mini DisplayPort	4