

Sentient A3 Infinity – Technical Specifications

Category	Specification
Processor	Intel® Xeon® W7-3555 (20 cores / 40 threads, high-efficiency multi-threaded performance)
CPU Cooling	Enterprise-grade air cooling, optimized for sustained high-load performance
Memory	256GB DDR5-4800 RDIMM ECC (4×64GB, Registered)
Memory Expandability	Up to 1TB (8×128GB RDIMM ECC supported)
Storage	2TB M.2 NVMe PCIe Gen4 SSD
Graphics	4× NVIDIA RTX™ 6000 ADA GPUs (48GB GDDR6 ECC each, Ada Lovelace Architecture)
Power Supply	2000W ATX 80 PLUS Gold certified PSU
Chassis Form Factor	High-capacity full tower workstation
Cooling System	Advanced airflow management with multi-zone thermal isolation
Connectivity	Multiple USB 3.2 Gen 2, HDMI/DisplayPort, 10GbE-ready LAN, audio, expansion headers
Expansion Slots	Quad PCIe Gen4 ×16 (for GPUs), additional PCIe for network/storage upgrades
Operating System	OS-agnostic (supports Linux, Windows, and high-performance software stacks)
Target Users	HPC labs, AI training teams, VFX studios, simulation experts
Support	3-Year Limited Hardware Warranty + 5-Day Advanced Replacement Support
Dimensions & Weight	Full tower chassis: ~21" x 9" x 20", estimated ~22kg with GPUs installed