

Sentient A1 – Technical Specifications

| Category | Specification |
|----------------------|--|
| Processor | Intel® Core™ i9-14900K (24 cores / 32 threads, up to 6.0 GHz) |
| CPU Cooling | High-performance air-cooled heatsink with optimized thermal dissipation |
| Memory | 32GB DDR4-3200 UDIMM (2×16GB) |
| Memory Expandability | Up to 128GB (4×32GB supported) |
| Storage | 2TB M.2 NVMe PCIe Gen4 SSD |
| Graphics | 1× NVIDIA RTX™ 6000 ADA (48GB GDDR6 ECC, 18,176 CUDA Cores, Ada Lovelace Architecture) |
| Power Supply | 850W ATX 80 PLUS Gold certified PSU |
| Chassis Form Factor | Tower workstation |
| Cooling System | Air-cooled with optimized airflow design |
| Connectivity | Standard I/O: USB 3.2 Gen 2, HDMI, DisplayPort, Ethernet (1GbE), Audio In/Out |
| Expansion Slots | PCIe Gen4 ×16 slot (occupied by GPU), 1× M.2 for SSD |
| Operating System | OS-agnostic (compatible with Windows 11, Ubuntu, and AI dev environments) |
| Target Users | AI developers, creative professionals, and engineers |
| Support | 3-Year Limited Hardware Warranty + 5-Day Advanced Replacement Support |
| Dimensions & Weight | Varies by chassis selection; typical mid-tower: ~18" x 8" x 17", ~13kg |