SuperWorkstation SYS-751A-I

DP full rackmount tower workstation for 3D design and content creation

Key Applications

Rendering, CAD, Multimedia/Digital Content creation, Engineering/scientific research,

Key Features

- 5th/4th Gen Intel® Xeon® Scalable processor support;
- Intel® C741 Chipset
  TPM 2.0 built-in already;
- 5 PCIe 5.0 x16, 1 PCIe 5.0 x8, 2 NVMe M.2 slots;
- 4x internal 3.5" SATA rotating drive bays for easy access
  2x 5.25" peripheral drive bays
  up to 4x NVMe SSD support with opitonal cables and converter trays
  2x 2.5" Front access SATA drive bays;
- Compact and quiet operation
  New front bezel with keylock for added security;
- Supports up to two double width active GPUs
  1 VGA, 6 USB 3.2 Gen1 (4 Rear, 2 Front), 2 USB 3.2 Gen2 (1 ineternal, 1 Front type C), 2 USB 2.0, 7.1 HD Audio;

Form Factor	Tower or 5U Rackmount Enclosure: 221 x 536 x 574mm (8.7" x 21.1" x 22.6") Package: 371 x 701 x 711mm (14.6" x 27.6" x 28")
Processor	Dual Socket E (LGA-4677) 5th Gen Intel® Xeon® / 4th Gen Intel® Xeon® Scalable processors Up to 64C/128T; Up to 320MB Cache per CPU
GPU	Max GPU Count: Up to 2 double-width GPUs Supported GPU: NVIDIA PCIe: T400, RTX A5500, T1000, RTX A6000, RTX A5000, RTX A4500, RTX A4000, RTX A2000, RTX 6000 Ada Generation CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect GPU-GPU Interconnect: PCIe
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 2TB 5600MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 4 bays • 4 front fixed 3.5" NVMe/SAS*/SATA drive bays Option A: Total 6 bays • 4 internal fixed 3.5" NVMe/SATA drive bays • 2 front fixed 2.5" SATA drive bays (*SAS support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 NVMe slots (M-key 2280/22110) Peripheral Bays: 2 5.25" bays (optional)
Expansion Slots	Default • 5 PCIe 5.0 x16 FHFL slots • 1 PCIe 5.0 x8 FHHL slot
On-Board Devices	SATA: SATA (6Gbps) ; RAID 0/1/5/10 support Chipset: Intel® C741 Network Connectivity: 2 RJ45 10GbE

Input / Output	LAN: 2 RJ45 10 GbE LAN ports (IPMI shared on LAN port 1)
	USB: 2 USB 2.0 Type-A ports(front)
	       2 USB 3.2 Gen1 Type-A ports(front)
	       1 USB 3.2 Gen2 Type-C port(Front)
	       1 USB 3.2 Gen2 Type-A port(Header)

4 USB 3.2 Gen1 Type-A ports(Rear)
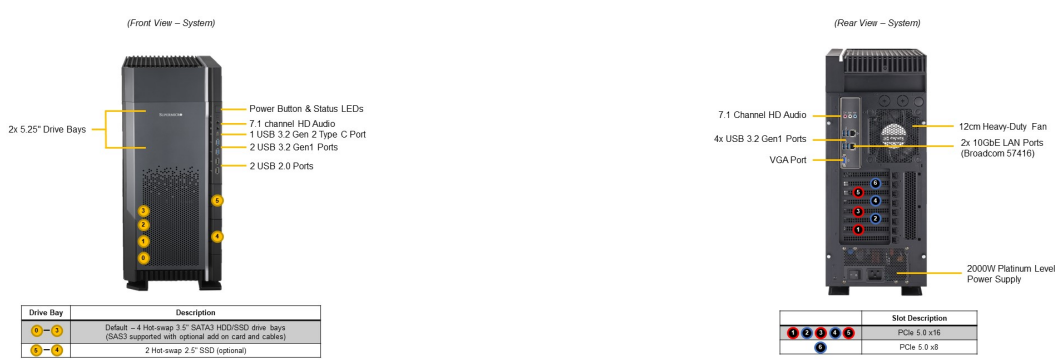Video: 1 VGA port
DOM: 2 SATA [DOM](Disk on Module) ports
Audio: 7.1 HD Audio
      Line Out
      Mic in

4 USB 3.2 Gen1 Type-A ports(Rear)
Video: 1 VGA port
DOM: 2 SATA [DOM](Disk on Module) ports
Audio: 7.1 HD Audio
      Line Out
      Mic in

(Front View – System)

(Rear View – System)

2x 5.25" Drive Bays

Power Button & Status LEDs
7.1 channel HD Audio
1 USB 3.2 Gen 2 Type C Port
2 USB 3.2 Gen1 Ports
2 USB 2.0 Ports

7.1 Channel HD Audio
4x USB 3.2 Gen1 Ports
VGA Port

12cm Heavy-Duty Fan
2x 10GbE LAN Ports
(Broadcom 57416)

2000W Platinum Level
Power Supply

Drive Bay	Description
⓪ – ③	Default – 4 Hot-swap 3.5" SATA3 HDD/SSD drive bays (SAS3 supported with optional add on card and cables)
⑤ – ④	2 Hot-swap 2.5" SSD (optional)

Slot Description	
① ② ③ ④ ⑤	PCIe 5.0 x16
⑥	PCIe 5.0 x8

CPU1 ■ CPU2 ■

System Cooling	Fans: 3x 12cm Fan(s)
Power Supply	1x 2000W Platinum Level (92%) power supply
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!

PC Health Monitoring	Temperature: Monitoring for CPU and chassis environment
	          Thermal Control for fan connectors
	FAN: Status monitor for speed control
	     Pulse Width Modulated (PWM) fan connectors
	CPU: Monitors for CPU Cores, Chipset Voltages, Memory.

Dimensions and Weight	Weight: Gross Weight: 59.5 lbs (27 kg) Net Weight: 56.2 lbs (25.5 kg) Available Color: Black
Operating Environment	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	**Super X13DAI-T**
Chassis	**CSE-GS7A-000NBP3**