Desktop Gaming Workstation SYS-531AD-I

Key Applications
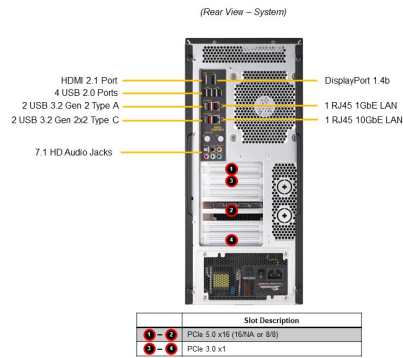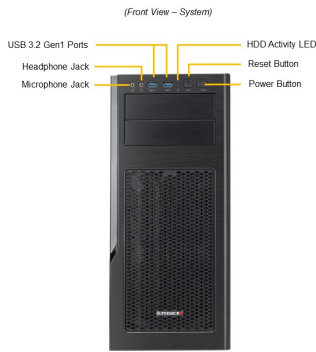
High-performance Gaming, Content Creation,

Key Features

- Supports 14th/13th/12th Gen Intel® Core™ i9, i7, i5, and i3 Processors;
- 2 PCIe 5.0 x16 slots (16/NA or 8/8);
- Single LAN with Intel® i219V 1Gb Single LAN with Marvell AQC113 10Gb;
- 3x 12cm PWM Fans;

Form Factor	Mid-Tower Rackmount Enclosure: 200 x 460 x 493mm (7.9" x 18.1" x 19.4") Package: 361 x 632 x 610mm (14.2" x 24.9" x 24")
Processor	Single Socket V (LGA-1700) 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3, Pentium® and Celeron® Processors Up to 24C/48T; Up to 16MB Cache
GPU	Max GPU Count: Up to 1 double-width GPU(s) Supported GPU: NVIDIA PCIe: RTX A6000,RTX A4000
System Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 128GB 4400MT/s non-ECC DDR5 UDIMM
Drive Bays	6x 3.5" SATA drive bays 1x PCIe 4.0 x4 2x PCIe 3.0 x4
Expansion Slots	2 PCIe 5.0 x16 slot(s) 2 PCIe 3.0 x1 slot(s) (Slot#4 and Slot#7 can be configured as 16/NA or 8/8)
On-Board Devices	Chipset: Intel® Z790 Network Connectivity: 1x 1GbE BaseT with Intel® PHY i219V 1x 10GbE BaseT with Marvell AQC113
Input / Output	SATA: 6 SATA (6Gbps) port(s) USB: 6 USB 2.0 port(s) (4 rear; 2 via header) 2 USB 3.2 Gen 1 port(s) (2 front) 2 USB 3.2 Gen 2 port(s) (2 rear) 2 USB 3.2 Gen 2x2 port(s) (2 rear) Video: 1 HDMI 2.1 port(s) 1 DisplayPort port(s) TPM: TPM header Audio: 7.1 HD Audio Serial Port: 1 COM Port(s) (1 header)

(Front View – System)

USB 3.2 Gen1 Ports
Headphone Jack
Microphone Jack
HDD Activity LED
Reset Button
Power Button

(Rear View – System)

HDMI 2.1 Port
4 USB 2.0 Ports
2 USB 3.2 Gen 2 Type A
2 USB 3.2 Gen 2x2 Type C
7.1 HD Audio Jacks
DisplayPort 1.4b
1 RJ45 1GbE LAN
1 RJ45 10GbE LAN

	Slot Description
❶ – ❷	PCIe 5.0 x16 (16/NA or 8/8)
❸ – ❹	PCIe 3.0 x1

System Cooling	Fans: 1x 120mm Fan(s) 2x 120mm Fan(s)
Power Supply	750W Gold Level power supply
System BIOS	BIOS Type: AMI 256MB SPI Flash
PC Health Monitoring	Voltage: +1.0V PCH, +1.8V PCH, +12V, +3.3V, +5V, +5V standby, 1.05 (PCH), 3.3V standby, 5 (4-pin), CPU, CPU temperature, CPU thermal trip support, PCH temperature, System temperature, VBAT, VRM temperature Other Features: 8-pin 12v DC power connector, ACPI power management, ATX Power connector, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, RoHS, Voltage and Frequency Overclocking, WOL
Dimensions and Weight	Height: 18.1" (460 mm) Width: 7.9" (200 mm) Depth: 19.4" (493 mm) Gross Weight: 26 lbs (11.8 kg) Net Weight: 20 lbs (9 kg) Packaging: 24.9" (H) x 14.2" (W) x 24" (D) Available Color: Black / Gray
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 C9Z790-CG
Chassis	CSE-GS5A-754K