

UP Workstation A+ Server AS -C531i-11102U

UP mid-tower workstation for SMB and content creation



Key Applications

3D Graphics / Workstation, Visualization / Simulation, 2D/3D Content Creation, Artificial Intelligence,

Key Features

- Single Socket AM5 (LGA-1718) AMD Ryzen™ 7 8700G, 8 cores/16 threads, 4.2/5.1GHz Turbo 65W Ryzen AI at 16 TOPS Processor;
- Microsoft Windows 11 Home;
- AMD Radeon 780M, 12 core, 2900 MHz;
- 32GB DDR5 4800 Non-ECC UDIMM (Max 4 DIMM up to 192GB);
- 1 RJ45 1GbE + 2 RJ45 1GbE;
- 2 PCIe 5.0 x16 for double-width GPU cards or 1 triple-width GPU & 1 PCIe 4.0 x4;
- 2 PCIe 4.0 NVMe M.2 slots (1 slot used by 1.92TB SSD) 4 fixed 3.5" drive bays (optional 4 fixed 2.5" drive bays);
- 1 668W Platinum Level power supply;
- Mini-Tower chassis with 16.75" (425mm) depth;



Form Factor

Mini-Tower
Enclosure: 184 x 362 x 425mm (7.25" x 14.25" x 16.75")
Package: 279 x 508 x 533mm (11" x 20" x 21")

Processor

Single processor(s)
AMD Ryzen 7 8700G
8C/16T; 16MB Cache

GPU

Up to 1 triple-width or 1 double-width or 2 single-width GPUs

System Memory

Slot Count: 4 DIMM slots/4 Channels
Max Memory (1DPC): 192GB 5200MT/s non-ECC DDR5 UDIMM

Drive Bays Configuration

Default: Total 4 bays

- 4 front hot-swap 3.5" SATA drive bays

 Option A: Total 4 bays

- 4 front hot-swap 2.5" SATA drive bays

 M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 2280/22110)
 Peripheral Bays: 2 5.25" peripheral bays

Expansion Slots

PCI-Express (PCIe) Configuration: Default

- 1 PCIe 5.0 x16 FHFL slot

 Option A

- 2 PCIe 5.0 x8 FHFL slots

 M.2: 2 M.2 PCIe 4.0 x1 NVMe slots (M-key 2280(default))
 PCI: 1 PCI 5V 32-bit slots

On-Board Devices

SATA: SATA (6Gbps)
 Network Connectivity: 1 RJ45 1GbE with Realtek RTL8211F PHY (dedicated IPMI)
 2 RJ45 1GbE with Intel® I210-AT

Input / Output

Video: 1 VGA port
 1 HDMI 2.0b port
 1 DisplayPort 1.4a port
 Audio: Rear Audio



System Cooling	Fans: Up to 1x 12mm Fan(s) (optional) Up to 1 Fan(s)
Power Supply	1x 668W Platinum Level (92%) power supply
System BIOS	BIOS Type: AMI 32MB 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
Dimensions and Weight	Weight: Gross Weight: 30 lbs (13.61 kg) Net Weight: 28 lbs (12.7 kg) Available Color: Black
Operating Environment	RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 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 H13SAE-MF
Chassis	CSE-731i-668B