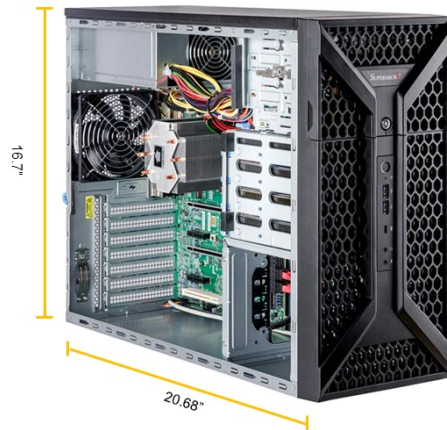


UP Workstation SYS-531A-IL

SuperWorkstation SYS-531A-IL

(Angled View – System)



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Key Applications

- Designed for CAD and 3D Modeling Applications
- 2D/3D Content Creation
- VR Content Development

Key Features

1. Supports 12th Gen. Intel® Core™ i Processors
2. 2 PCI-E 5.0 x16 slots (16/NA or 8/8) M.2 Interface: 3 PCI-E 4.0 x4
3. Dual LAN ports, GbE and 2.5GbE
4. 12cm PWM quiet exhaust fan and optional 12cm front intake fan
5. 668W 80PLUS Platinum Power Supply

Specifications

Product SKUs

- SYS-531A-IL** ■ SuperServer SYS-531A-IL (Black)

Motherboard

Super X13SAE

Processor

- CPU** ■ Single Socket V (LGA-1700)
 ■ 12th Generation Intel® Core™ Processors
 ■ Support CPU TDP 125W

System Memory

- Memory** ■ Memory Capacity: 4 DIMM slots
 ■ Up to 128GB: 4x 32 GB DRAM
 ■ Memory Type: 4400~4800MHz ECC DDR5 UDIMM

- Memory Voltage** ■ 1.1 V

- Error Detection** ■ ECC

On-Board Devices

- Chipset** ■ Intel® W680

- Network Connectivity** ■ 1x 1GbE BaseT with Intel® i219LM
 ■ 1x 2.5GbE BaseT with Intel® i225V

Input / Output

- SATA** ■ 8 SATA (3Gbps) port(s)

- USB** ■ 3 USB 3.2 Gen 1 port(s) (2 front Type A; 1 front Type C)
 ■ 3 USB 3.2 Gen 2x1 port(s) (3 rear Type A)
 ■ 1 USB 3.2 Gen 2x2 port(s) (1 rear Type C)

- Serial Port** ■ 1 COM Port(s) (1 header)

System BIOS

- BIOS Type** ■ AMI 256MB SPI Flash

Management

- Software** ■ SuperDoctor 5

- Power Configurations** ■ ACPI 6.0

PC Health Monitoring

Chassis

- Form Factor** ■ Mid-Tower

- Model** ■ **CSE-735D4-668B**

Dimensions and Weight

- Height** ■ 16.7" (424mm)

- Width** ■ 7.6" (193mm)

- Depth** ■ 21.1" (536mm)

- Package** ■ 11.97" (H) x 21.38" (W) x 25.28" (D)

- Weight** ■ Net Weight: 28 lbs (12.7 kg)
 ■ Gross Weight: 30 lbs (13.61 kg)

- Available Color** ■ Black

Front Panel

- Buttons** ■ Power On/Off

- LEDs** ■ HDD activity
 ■ Power On

- Port** ■ Headphone Jack
 ■ Microphone Jack

Expansion Slots

- PCI-Express (PCI-E)** ■ Slot 1: 5V PCI 32bit
 ■ Slot 2: PCI-E 3.0 x4
 ■ Slot 4: PCI-E 5.0 x16
 ■ Slot 5: PCI-E 3.0 x4
 ■ Slot 7: PCI-E 5.0 x16
 (Slot#4 and Slot#7 can be configured as 16/NA or 8/8)

Drive Bays / Storage

- Drive Bays** ■ 4x 3.5" SATA drive bays

- M.2** ■ 3x PCI-E 4.0 x4 (2280 only)

- Peripheral Bays** ■ 2x 5.25" drive bays

System Cooling

- Fans** ■ 1x 120mm Fan(s)
 ■ 1x 120mm Fan(s) (optional)

Power Supply

668W 80PLUS Platinum PS/2 Power Supply

- Dimension (W x H x L)** ■ 150 x 86 x 190 mm

- AC Input** ■ 100-240Vac / 50-60Hz

- +12V** ■ Max: 54A (100Vdc-240Vdc)

- Output Type** ■ PS/2

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

Certification**Platinum Level**[\[Test Report \]](#)**Operating Environment****Environmental Spec.**

- 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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X13SAE	1	Super X13SAE Motherboard
	CSE-735D4-668B	1	Mid-Tower Chassis
Cable 1	CBL-0044L	4	57.5CM SATA FLAT S-S PBF
Parts	MCP-260-00151-0N	1	STD I/O Shield for X12SAE with EMI Gasket
*Cable 2	CBL-PWCD-0160-IS	1	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
*Power Supply	PWS-668-PQ	1	PS2 668W Multi-Output 80Plus Platinum Power Supply with 24pi

Notes:

1. Parts with * are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

Optional Parts List

	Part Number	Qty	Description
DVD Kit	CBL-0082L • eStore	1	Y SPLIT SATA POWER ADAPTER
	CBL-SAST-0624 • eStore	1	70cm SATA Cable S-S 30AWG
	DVM-LITE-DVDRW24-HBT1	1	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE (Please also add CBL-SAST-0624 and CBL-0082L)
Fan	FAN-0124L4 • eStore	1	120x120x25 mm, Quiet, 1850RPM, Optional Front Intake Fan
	FAN-0077L4-1	1	120x120x38 mm, High Performance, 4K RPM, Optional Rear or Front Fan
HDD Converter	MCP-220-73102-0N • eStore	1	2.5" to 3.5" SSD/HDD Adapter Tray for 731, 732, DS3, 842
Heatsink	SNK-P0086AP4	1	High Performance CPU Heatsink for LGA1700
Mobile Rack	CSE-M14TQC	1	SAS3/SATA mobile rack for 4x 2.5" drives