

UP Workstation SYS-530A-IL



Key Applications

- **Entry-Level Workstation**
- **Designed for CAD and 3D Modeling Applications**
- **2D/3D Content Creation**

Key Features

1. 2022 Version: Supports both Intel® Xeon® W-1200/W-1300 Series and 10th/11th Generation Intel® Core™ Processors
2. 2022 Version: 2 PCI-E 4.0 x16 slots (16/NA or 8/8) M.2 Interface: 1 PCI-E 4.0x4 and 2 PCI-E 3.0 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-530A-IL** ■ SuperServer SYS-530A-IL (Black)

Motherboard

Super X12SAE-5

Processor

- CPU**
- Single Socket H5 (LGA-1200)
 - 10th Generation Intel® Core™ Processors, 11th Generation Intel® Core™ Processors, Intel® Xeon® W-1200 Processors, Intel® Xeon® W-1300 Processors
 - Support CPU TDP 125W

- Cores**
- Up to 10C/20T, 8C/16T; Up to 16, 20MB Cache

System Memory

- Memory**
- Memory Capacity: 4 DIMM slots
 - Memory Type: 3200MHz ECC DDR4 UDIMM

- Memory Voltage**
- 1.2 V

- Error Detection**
- ECC

On-Board Devices

- Chipset**
- System on Chip

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

Input / Output

- SATA**
- 3 SATA (6Gbps) port(s)

- USB**
- 3 USB 3.2 Gen 1 port(s) (2 front Type A; 1 front Type C)
 - 4 USB 3.2 Gen 2 port(s) (4 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 x1
 - Slot 4: PCI-E 4.0 x16
 - Slot 5: PCI-E 3.0 x1
 - Slot 7: PCI-E 4.0 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 (1x PCI-E 4.0, 2x PCI-E 3.0 slots)

- 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

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 protecti

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-X12SAE-5	1	Super X12SAE-5 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 • <i>eStore</i>	1	Y SPLIT SATA POWER ADAPTER
	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)
	CBL-SAST-0624 • <i>eStore</i>	1	70cm SATA Cable S-S 30AWG
Fan	FAN-0077L4-1	1	120x120x38 mm, High Performance, 4K RPM, Optional Rear or Front Fan
	FAN-0124L4 • <i>eStore</i>	1	120x120x25 mm, Quiet, 1850RPM, Optional Front Intake Fan
HDD Converter	MCP-220-73102-0N • <i>eStore</i>	1	2.5" to 3.5" SSD/HDD Adapter Tray for 731, 732, DS3, 842
Heatsink	SNK-P0051AP4 • <i>eStore</i>	1	High Performance CPU Heatsink
Mobile Rack	CSE-M14TQC	1	SAS3/SATA mobile rack for 4x 2.5" drives