

Super Workstation SYS-730A-I



Key Applications

Rendering
CAD
Multimedia/Digital Content creation
Engineering/scientific research

Key Features

- 3rd Gen Intel® Xeon® Scalable processor support;
- Intel® C621A Chipset;
- 5 PCI-E 4.0 x16, 1 PCI-E 4.0 x8, 2 NVMe M.2 slots;
- up to 4x NVMe SSD support with optional cables and converter trays; 4x internal 3.5" SATA rotating drive bays for easy access; 2x 5.25" peripheral drive bays;
- New front bezel with keylock for added security; Compact and quiet operation;
- 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 Rear, 1 Front type C), 7.1 HD Audio;

[More details here](#)



Form Factor	Mid-Tower Rackmount Enclosure: 193 x 424 x 525.3mm (7.6" x 16.7" x 20.68") Package: 304 x 543 x 642mm (11.97" x 21.38" x 25.28")
Processor	3rd Gen Intel® Xeon® Scalable processors Dual Socket LGA-4189 (Socket P+) supported TDP up to 270W; 3 UPI
System Memory	16 DIMM slots Up to 4 TB ECC RDIMM, DDR4-3200MHz Up to 4 TB ECC LRDIMM, DDR4-3200MHz Up to 512GB Intel® DCPMM, DDR4-3200MHz
Drive Bays	4x 3.5" SATA (NVMe optional) drive bays; 4x 2.5" NVMe hybrid;
Expansion Slots	Slot 1: PCI-E 4.0 x16 FHFL Slot 2: PCI-E 4.0 x16 FHFL Slot 3: PCI-E 4.0 x16 FHFL Slot 4: PCI-E 4.0 x16 FHFL Slot 5: PCI-E 4.0 x16 FHFL Slot 6: PCI-E 4.0 x8 FHHL
On-Board Devices	SATA: SATA3 (6Gbps); RAID 0/1/5/10 support Chipset: Intel® C621A Network Connectivity: 2x 1GbE port(s) IPMI: Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Input / Output	SATA: 2 SuperDOM port(s) LAN: 2 RJ45 1GbE (IPMI Shared on LAN port1) USB: 6 USB 3.2 Gen1 port(s) (4 Rear_USB; 2 Front_USB) 2 USB 3.2 Gen2 port(s) (1 Rear_USB; 1 Front_USB) Video: 1 VGA port(s)



Cooling System	2x 12cm heavy duty fan(s)
Power Supply	1200W PS2 Multi output power supply with modular cable Dimension (W x H x L): 150 x 86 x 185 mm Output Type: Modular Cable Output
System BIOS	BIOS Type: AMI 32MB SPI FLASH ROM
Management	SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; SSM; IPMI 2.0; Redfish API
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	Height: 16.7" (424 mm) Width: 7.6" (193 mm) Depth: 20.68" (525.3 mm) Gross Weight: 30 lbs (13.61 kg) Net Weight: 27 lbs (12.25 kg) Packaging: 21.38" (H) x 11.97" (W) x 25.28" (D) 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 X12DAI-N6
Chassis	CSE-735D4-1K26B

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X12DAI-N6	1	Super X12DAI-N6 Motherboard
	CSE-735D4-1K26B	1	Mid-Tower Chassis
Cable 1	CBL-0082L	2	Y SPLIT SATA POWER ADAPTER, PB FREE
Cable 2	CBL-SAST-0624	4	70cm SATA Cable S-S 30AWG
Parts	MCP-260-00115-0N	1	Standard I/O Shield for X11DAi with EMI Gasket
Manual	MNL-2390-QRG	1	730A-I Quick Reference Guide
*Cable 3	CBL-PWCD-0160-IS	1	PWCD,US,NEMA5-15P TO IEC60320 C13,6FT,16AWG,RoHS/REACH
*Power Supply	PWS-1K26P-PQ	1	1000W/1200W PS2 Multi output power supply with modular cable
*Cable 4	CBL-CDAT-0560	1	Audio Cable HD / AC97 -80cm, 28AWG,HF,RoHS/REACH,PBF
*Cable 5	CBL-CDAT-0680-55	1	NCSI,2x10F to 2x10F,IDC,PH2.54,55cm,shield,28AWG,RoHS
*Cable 6	CBL-CUSB-0860	1	USB 3.0,INT,20 PIN/F TO 20PIN/F,60CM,30/26AWG
*Cable 7	CBL-CUSB-0999	1	USB3.2 Gen2X2 TypeC INT 20M to USB3.2 TypeC 24F,45CM,30AWG,R
*Cable 8	CBL-CUSB-0999	1	USB3.2 Gen2X2 TypeC INT 20M to USB3.2 TypeC 24F,45CM,30AWG,R
*FAN 1	FAN-0077L4-1	2	120x120x38 mm, 4K RPM, Optional Rear Exhaust Fan for SC732
*Front Panel	FPB-FP735	1	Front control board for CSE735,RoHS

- 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-RW Drive	DVM-LITE-DVDRW24-HBT1	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE
HDD Cage	MCP-220-73201-0N eStore	-	2.5" HDD Cage (supports up to 4x 2.5" HDD/SSD)
Heat Sink	SNK-P0080AP4 eStore	-	4U Active CPU Heat Sink for X12 Generation DP Workstations
Management Software	SFT-DCMS-SINGLE eStore	-	Supermicro System Managment Software Suite - 1 per node
NVMe Cable	CBL-SAST-0953 eStore	-	Slimline x8 to PCIe 2x SFF-8639 (1 cable supports up two 2.5" NVMe drives)
OOB License	SFT-OOB-LIC eStore	-	License for out of band management
SATA Cable	CBL-SAST-0624 eStore	-	70cm SATA Cable (1pc required for DVD Drive)
SATA Power adapter	CBL-0082L eStore	-	Y SPLIT SATA POWER ADAPTER (1pc required for DVD Drive)
TPM security module	AOM-TPM-9670V	-	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor