

SuperWorkstation 7039A-i



Key Features

- **Whisper Quiet Workstation**

1. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
2. Up to 2TB ECC 3DS L/RDIMM, up to DDR4-2666MHz; 16 DIMM slots
3. 4 PCI-E 3.0 x16, 2 PCI-E 3.0 x8 slots
4. 2x 1GbE LAN ports
5. 7.1 HD Audio
6. 4 Internal fixed 3.5" drive bays, 2 5.25" peripheral drive bays
7. 1 M.2 slot, 2 NVMe support with optional cables
8. 1200W High-efficiency Power Supply Platinum Level Certified

[▶ Drivers & Utilities](#) ▶ [BIOS](#) ▶ [IPMI](#) ▶ [Tested Memory](#)
[▶ Tested M.2 List](#) ▶ [Manuals](#) ▶ [OS Certification Matrix](#) ▶ [Quick-References Guide](#) ▶ [Drive Options](#)

Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs

SuperWorkstation ■ SYS-7039A-i (Black)

Motherboard

Super X11DAI-N

Processor/Cache

- CPU**
- Dual Socket P (LGA 3647)
 - Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
 - Support CPU TDP 70-205W
- Cores**
- Up to 28 Cores with Intel® HT Technology

System Memory

- Memory Capacity**
- 16 DIMM slots
 - Up to 2TB ECC 3DS LRDIMM, up to 2TB ECC 3DS RDIMM, DDR4 up to 2666MHz
- Memory Type**
- 2666/2400/2133MHz ECC DDR4 RDIMM, LRDIMM
- DIMM Sizes**
- RDIMM: 64GB
 - LRDIMM: 64GB
 - 3DS LRDIMM: 128GB
- Memory**

Chassis

- Form Factor**
- Mid-Tower
- Model**
- CSE-732D3-1200B


Dimensions and Weight

- Height**
- 16.7" (424mm)
- Width**
- 7.6" (193mm)
- Depth**
- 20.68" (525.3mm)
- Gross Weight**
- 40 lbs (18.1 kg)
- Available Colors**
- Black

Front Panel

- Buttons**
- Power On/Off button
- LEDs**
- Power LED
 - Hard drive activity LED
 - Network activity LED
 - System Overheat LED
- Ports**
- 2 front USB 3.0 Ports
 - 2 front HD/AC97 Audio Ports

Voltage	1.2V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® C621 chipset
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps); RAID 0, 1, 5, 10
Network Controllers	<ul style="list-style-type: none"> Dual LAN with GbE from C621
IPMI	<ul style="list-style-type: none"> ASPEED AST2500
Audio	<ul style="list-style-type: none"> RealTek ALC888 7.1 High Definition Audio with S/PDIF header
Input / Output	
SATA	<ul style="list-style-type: none"> 10 SATA3 (6Gbps) ports
NVMe	<ul style="list-style-type: none"> 2 NVMe support with optional cables
LAN	<ul style="list-style-type: none"> 2 RJ45 Gigabit Ethernet LAN ports
USB	<ul style="list-style-type: none"> 6 USB 3.0 ports (4 rear, 2 front) 2 USB 3.1 ports (rear)
Audio	<ul style="list-style-type: none"> 7.1 HD Audio with optical S/PDIF
Video	<ul style="list-style-type: none"> 1 VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1 COM port (header)
DOM	<ul style="list-style-type: none"> 2 SuperDOM (Disk on Module) ports
TPM	<ul style="list-style-type: none"> 1 TPM 2.0 Header
System BIOS	
BIOS Type	<ul style="list-style-type: none"> UEFI 128M
Management	
Software	<ul style="list-style-type: none"> Intel® Node Manager IPMI 2.0 SSM, SPM, SUM SuperDoctor® 5 Watchdog
PC Health Monitoring	
CPU	<ul style="list-style-type: none"> Monitors for CPU Cores, Chipset Voltages, Memory. 4+1 Phase-switching voltage regulator
FAN	<ul style="list-style-type: none"> Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment Thermal Control for fan connectors

Expansion Slots	
PCI-Express	<ul style="list-style-type: none"> 4 PCI-E 3.0 x16 slots 2 PCI-E 3.0 x8 slots
M.2	<ul style="list-style-type: none"> Interface: PCIe 3.0 x4 Form Factor: M-Key 2260, 2280, 22110
Drive Bays	
Internal	<ul style="list-style-type: none"> 4 Fixed 3.5" drive bays (90° rotatable drive cage) Enterprise SATA HDD only recommended
Peripheral Bay	<ul style="list-style-type: none"> 2x 5.25" standard drive bays 4x 2.5" fixed drive bays (optional)
System Cooling	
Fans	<ul style="list-style-type: none"> 1x 12cm rear exhaust fan 1x 12cm front cooling fan Optimized cooling technology for Whisper-Quiet Operation
Power Supply	
1200W high-efficiency power supply w/ PMBus	
AC Input	<ul style="list-style-type: none"> 1000W: 100-114.9 V, 50-60 Hz, 12 Amp 1200W: 114.9-240 V, 50-60 Hz, 12-8 Amp
DC Output	<ul style="list-style-type: none"> +3.3V / +5V / +12V / -12V / +5VSB 1000W max: 20A / 20A / 83A / 0.3A / 3A 1200W max: 20A / 20A / 99A / 0.3A / 3A
Note:	<ul style="list-style-type: none"> Max. continuous combined load on +3.3V and +5V output shall not exceed 120W.
Certification	 Platinum Certified
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°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-X11DAi-N	1	Super X11DAi-N Motherboard
	CSE-732D3-1200B	1	3U Mid-Tower Chassis
Cable 1	CBL-0082L	2	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable 2	CBL-SAST-0624	4	SATA,INT,ROUND,ST-ST,70CM,30AWG
FAN 1	FAN-0124L4	1	12 CM x12 CM fan
Parts	MCP-260-00115-0N	1	Standard I/O Shield for X11DAi with EMI Gasket
Manual	MNL-1996-QRG	1	7039A-I Quick Reference Guide

Power Supply	PWS-1K25P-PQ	1	PS2 1200W Multi Output High Efficiency P
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Optional Parts List

	Part Number	Qty	Description
NVMe support kit	MCP-220-73201-0N	-	SC732 2.5" HDD Cage (4x Internal 2.5" HDD)
	CBL-SAST-0956		Oculink to PCIe SFF-8639 w/ Power, 55CM - ADD QTY 1 per drive
HDD Cage for 2.5" drives	MCP-220-73201-0N	-	SC732 2.5" HDD Cage (4x Internal 2.5" HDD)
Heat Sink	SNK-P0070APS4	-	4U Active CPU Heat Sink - Add QTY 1 per CPU
DVD-ROM	DVM-LITE-DVDRW24-HBT	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
	1x CBL-SAST-0624		SATA,INT,ROUND,ST-ST,70CM,30AWG
	1x CBL-0082L		Y split, big 4 pin to two RA SATA power extension 15cm, 18AWG