

Supermicro SuperWorkstation SYS-5049A-T Mid-Tower (ANSYS)

Kod producenta: SYS-5049A-T



Chassis Form Factor	Mid-Tower
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	1
Supported CPU's	Intel Xeon Scalable 1st Gen Intel Xeon Scalable 2nd Gen
Max CPU TDP	205 W
Chipset	Intel C621
Memory Type	DDR4 ECC RDIMM DDR4 ECC LRDIMM
Memory Speed	2933 MHz 2666 MHz 2400 MHz 2133 MHz
# of DIMM's	12
Max Memory Size	3 TB
# of 3.5 hot-swap bays	8
Optical drives	hot-swap
# of PCIe x16 3.0	4
# of PCIe x8 3.0	3
# of USB Ports	2 x USB 3.1 (header) 4 x USB 3.1 (rear) 1 x USB 3.1 Type A (header) 1 x USB 3.1 Type A (rear) 1 x USB 3.1 Type C (header) 1 x USB 3.1 Type C (rear) 2 x USB 2.0 Type A (header)
# of SATA Ports	8
# of 10GbE Ports	1 x RJ45
# of 1GbE Ports	1 x RJ45
Network Controllers	Single LAN with Intel® Ethernet Controller I210-AT Single LAN with Aquantia® AQC107 10G Ethernet Controller Single LAN with Realtek RTL8211E PHY (dedicated IPMI)
TPM	1x TPM 2.0 Header
Power Supply	Fixed
PSU Wattage	1200 W
PSU Certification	80+ Platinum
Chassis Dimensions	452 x 178 x 648 mm
Uwagi	PCI-Express Slots Configuration: 4x PCI-E 3.0 x16 slots 3x PCI-E 3.0 x8 (in x16 slot)

Product SKUs

SYS-5049A-T (Black)

SuperWorkstation

Motherboard

Super X11SPA-TE

Processor/Cache

- CPU
 - Single Socket P (LGA 3647)
 - 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors[†]
 - Support CPU TDP up to 205W
- Cores
 - Up to 28 Cores
- Note
 - [†] BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R)

System Memory

- Memory Capacity
 - 12 DIMM slots
 - Up to 3TB 3DS ECC DDR4-2933MHz[†] RDIMM/LRDIMM
- Memory Type
 - 2933[†]/2666/2400/2133MHz ECC DDR4 RDIMM/LRDIMM
- Note
 - [†] 2933MHz in two DIMMs per channel can be achieved by using memory purchased from Supermicro

On-Board Devices

- Chipset
 - Intel® C621 chipset
- SATA
 - SATA3 (6Gbps); RAID 0, 1, 5, 10
- Network Controllers
 - Single LAN with Intel® Ethernet Controller I210-AT
 - Single LAN with Aquantia® AQC107 10G Ethernet Controller
 - Single LAN with Realtek RTL8211E PHY (dedicated IPMI)
- IPMI
 - ASPEED AST2500
- Audio
 - 7.1 channel HD Audio by Realtek ALC888S

Input / Output

- SATA
 - 8 SATA3 (6Gbps) ports
- LAN
 - 1 RJ45 Gigabit Ethernet LAN port
 - 1 RJ45 10GBase-T Ethernet LAN port
 - 1 RJ45 Dedicated IPMI LAN port
- USB
 - 6 USB 3.1 Gen1 ports (4 rear, 2 headers)
 - 4 USB 3.1 Gen2 ports (1 rear Type A, 1 rear Type C, 1 Type A header, 1 Type C header)
 - 2 USB 2.0 ports (2 headers, Type A)
- Audio
 - 7.1 HD Audio with optical S/PDIF
- Video
 - 1 VGA port via AST2500 BMC
- Serial Port / Header
 - 2 COM ports (1 rear, 1 header)
- TPM
 - 1 TPM 2.0 Header

System BIOS

- BIOS Type
 - 256Mb SPI Flash with AMI BIOS

Management

- Software
 - Intel® Node Manager
 - IPMI 2.0
 - SSM, SPM, SUM
 - SuperDoctor® 5
 - Watchdog

PC Health Monitoring

- CPU
 - Monitors for CPU Cores, Chipset Voltages, Memory.
 - 4+1 Phase-switching voltage regulator
- FAN
 - Fans with tachometer monitoring
 - Status monitor for speed control
 - Pulse Width Modulated (PWM) fan connectors
- Temperature
 - Monitoring for CPU and chassis environment
 - Thermal Control for fan connectors

Chassis

Form Factor	· 4U Rackmountable / Tower
	· Optional Rackmount Kit
Model	· CSE-743TS-1200BP-SQ

Dimensions and Weight

Height	· 17.8" (452mm)
	· 7.0" (178mm)
Width	· 25.5" (648mm)
Depth	· 71 lbs (32.2 kg)
Gross Weight	· Black
Available Colors	

Front Panel

Buttons	· Power On/Off button
	· System Reset button
LEDs	· Power LED
	· Hard drive activity LED
	· Network activity LEDs
	· System Overheat / Fan Fail LED
Ports	· 2 front USB 3.0 Ports

Expansion Slots

PCI-Express	· 4 PCI-E 3.0 x16 slots
	· 3 PCI-E 3.0 x8 (in x16 slot)
M.2	· M.2 Interface: 4 PCI-E 3.0 x4, RAID 0 & 1
	· Form Factor: 2242/2260/2280/22110
	· Key: M-Key
	· M.2 support RAID 0, 1 (up to RAID 5, 10), VROC key is required for RAID1
*NOTE: When M.2 slots C01 or C02 is installed, PCIe slot 1 is disabled. When M.2 C03 or M.2 C04 is installed, PCIe slot 4 works x8.	

Drive Bays

Hot-swap	· 8 Hot-swap 3.5" SAS3/SATA3 drive bays (SATA3 default)
	· 3x 5.25" drive bays
Peripheral Bay(s) [90° Rotatable]	

Backplane

Supports 8 SATA3 or 8 SAS3 HDD

System Cooling

Fans	· 2 Super quiet PWM chassis fans (support up to 4 fans)
	· 1 Super quiet rear fan with optimal fan speed control

Power Supply

1200W high-efficiency power supply w/ PMBus	
AC Input	· 1000W: 100-114.9 V, 50-60 Hz, 12 Amp
	· 1200W: 114.9-240 V, 50-60 Hz, 12-8 Amp
DC Output	· +3.3V / +5V / +12V / -12V / +5VSB
	· 20A / 20A / 83A / 0.3A / 3A
	· 20A / 20A / 99A / 0.3A / 3A
	· Max. continuous combined load on +3.3V and +5V output shall not exceed 120W.
Note:	
Certification	 Platinum Certified

Operating Environment

RoHS	· RoHS Compliant
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)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superworkstation-sys-5049a-mid-tower-ansys-p-4627.html>