

SuperStorage 6049SP-DE1CR60 (Complete System Only)



Integrated Board



Super X11DSC

Views: | [Node Angle View](#) | [Node Top View](#) | [Angled View](#) | [Top View](#) | [Front View](#) | [Rear View](#) |

Complete System Only: To maintain quality and integrity, this product is sold only as a completely-assembled system (with minimum 2 CPUs, 2 DIMMs, 8 HDDs per node, and SAS controller kit).

▶ [Drivers & Utilities](#) ▶ [BIOS](#) ▶ [IPMI](#) ▶ [Tested Memory](#) ▶ [Manuals](#) ▶ [OS Certification Matrix](#) ▶ [Drive Options](#) ▶ [Firmware](#)

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

Introducing Supermicro's New Generation Top Loading Storage Systems for High Capacity Cloud-Scale Deployments



Key Applications

- Big Data & Analytics, Data Lake
- HPC and AI/ML Workloads
- Telco & Cloud Service Providers
- Financial Services & Healthcare Image Archives
- Content Repositories
- Government Data Protection

Key Features

1. **Dual Node Twin Architecture, 2x compute**
Each node controls 30 drives
2. Dual Socket P (LGA 3647) support
2nd Gen Intel® Xeon® Scalable processors (Cascade Lake/Skylake)‡
3. 16 DIMMs; up to 4TB 3DS ECC DDR4-2933MHz† RDIMM/LRDIMM, Supports Intel® Optane™ DCPMM††
4. 2 PCI-E 3.0 x16 (HHHL),
1 PCI-E 3.0 x8 (HHHL)
5. 60x 3.5"/2.5" Hot-swap SAS3/SATA3 drives,
2x Fixed slim SATA SSD, 2x NVMe M.2 (form factor: 2280 and 22110)
6. Dual Broadcom 3616 controllers (IT Mode)
or Broadcom 3108 (H/W RAID)
7. Server remote management: IPMI 2.0
/ KVM over LAN / Media over LAN
8. 6x 8cm hot-swap counter-rotate
redundant PWM cooling fans
9. 2600W Redundant Power Supplies
Titanium Level (96%)

Product SKUs**Motherboard (Two per system)****Processor/Cache (per node)****System Memory (per node)****On-Board Devices (per node)****Input / Output (per node)****System BIOS****Management****PC Health Monitoring****Chassis****Dimensions****Front Panel****Expansion Slots (per node)****Drive Bays****Backplane****System Cooling****Power Supply****Operating Environment**

Optional Parts List

| | Part Number | Qty | Description |
|--------------------------------------|--|-----|--|
| Global Services & Support | OS4HR3/2/1 | - | 3/2/1-year onsite 24x7x4 service |
| | OSNBD3/2/1 | - | 3/2/1-year onsite NBD service |
| Software | SFT-OOB-LIC • eStore | 1 | OOB Management Package (per node license) |
| Software | SFT-DCMS-Single | 1 | DataCenter Management Package (per node license) |

SAS Controllers (choose one of the following)

| | Part Number | Qty | Description |
|---|--|--------|---|
| Add-on Module 3616 (IT mode) (per node) | AOM-S3616-S-O | 2 | Storage 3616 controller for serviceable 60/90 bay systems. This has two 3616 controller chips, PCI switch, 2x NVMe M.2 (Form factors: 2280 and 22110), RoHS |
| Add-on Card 3108 (HW RAID) (occupies PCI-E slots 1 and 2) (per node) | AOC-S3108L-H8iR | 4 | LSI 3108 based SAS3 RAID, 12Gb, 8 internal ports, 240HDD - RAID 0, 1, 10, 5, 6, 50, 60, Gen3 x8 Standard Low Profile |
| | AOM-SADPT-S | 2 | Bypass card with PCI switch, 2x NVMe M.2 (Form factors: 2280 and 22110) and 2x slimSAS x8 HD connectors, RoHS |
| | CBL-SAST-1229-100 | 4 | Slimline x8 (STR) to 2x MiniSAS HD x4 (STR),25CM,100 OHM |
| | MCP-240-94711-0N + BTR-TFM8G-LSICVM02 (optional) | 2 4 | SC947 MB Node Supercap holder module,RoHS Supercap/TFM Unit for cached data protection |
| Add-on Card 3908 (HW RAID) (occupies PCI-E slot 1) | AOC-S3908L-H8iR | 2 | LSI 3908 based SAS3 RAID, 12Gb, 8 internal ports, 240HDD - RAID 0, 1, 10, 5, 6, 50, 60, Gen3 x8 Standard Low Profile |
| | AOM-SADPT-S | 2 | Bypass card with PCI switch, 2x NVMe M.2 (Form factors: 2280 and 22110) and 2x slimSAS x8 HD connectors, RoHS |
| | CBL-SAST-1301-100 | 2 | Slimline x8 (STR) to 2x SLL x8 STR,14/14CM,100 Ohm,RoHS |
| | MCP-240-94711-0N + BTR-CVPM05 (optional) | 2 2 | SC947 MB Node Supercap holder module,RoHS Broadcom 05-50039-00 CacheVault w/ 24" Remote Extender |