# SUPERMICRO®

# 6Gb/s SAS 2.0

## High-Performance Enterprise Server & Storage Solutions

**10% OFF**
*Any combination of Qualified SAS2 Chassis/Server/HDDs***
*Limited Time Only!*

SuperServer 1026T series
6RFT+ / 6RF+ / URF4+ / URF

SuperServer 2026T series
6RFT+ / 6RF+ / URF4+

HDD-2A300-MBF2300RC*
HDD-2A600-MBF2600RC*
Toshiba 2.5" 300GB/600GB SAS 2.0, 10K RPM

**SuperBlade®**
SBI-7126T-S6 / SBI-7426T-S3 / SH

**2U Twin² ™** series
SuperServer 2026TT-
H6RF / H6IBQRF / H6IBXRF

## Raising the Bar in High-Performance Storage with 6Gb/s SAS (SAS 2.0) Solutions

- ● Complete Product Line including Add-on Cards, Motherboards, Blades and Systems
- ● Best Performance-per-Watt/per-Dollar SAS 2.0 solutions on the market
- ● Double the performance of previous generation SAS solutions
- ● UIO cards support up to 240 drives and optional RAID5 with battery backup
- ● Motherboards support up to 8 hot-swap SAS 2.0 drives (6 for SuperBlade®)
- ● Patented system cooling design & precision cable lengths for best signal integrity
- ● Dual Intel® Xeon® 5600/5500 series processor support

*\* HDDs must be purchased along with qualified server/chassis*
*\*\* Please contact your sales representative for details*

**80 PLUS PLATINUM**  **80 PLUS GOLD**

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Supermicro's high-performance 6Gb/s SAS (SAS 2.0) solutions raise the bar in high-performance enterprise data storage by doubling the bandwidth, offering superior scalability, and enhanced features. 6Gb/s SAS offers a number of significant improvements over 3Gb/s SAS and SATA such as a 6Gb per second data transfer rate, zoning, and support for cable lengths of up to 10 meters to ensure storage integrity in large cluster and datacenter deployments. 6Gb/s SAS controllers interact with the Expanders and other infrastructure devices to improve HDD connectivity and maximize PCI-E slots. 6Gb/s SAS along with IMPI improves system diagnostics, status, management, configuration and initialization. 6Gb/s SAS enhances system robustness and enables large topologies by providing multi-device interoperability, reducing system downtime and the possibility of system congestion caused by I/O bottlenecks.

## Motherboards with onboard 6Gb/s SAS (SAS 2.0) & Optional RAID5 Key

Supermicro's extensive line of products with onboard 6Gb/s SAS technology includes 1U, 2U, 3U and 4U rack mount or Tower servers and workstations with both 2.5" and 3.5" hard drive support. Based on the X8DTH-6(F), X8DT6(-F), X8DTU-6F+/6TF+, X8DTL-6(F), X8DA6, X8SI6-F, H8DA6+(-F), H8QI6-F and H8QG6-F motherboards, Supermicro 6Gb/s SAS systems feature the industry's leading thermal and power designs to deliver optimal performance-per-watt and performance-per-dollar.

**AOC-SAS2-RAID5-KEY**

- IMR mode supports RAID 0,1,5,10
- Supports 16 physical Devices
- Supports 1.5, 3.0 and 6.0 Gb/s SAS and SATA data transfer rates
- OS Support : Windows XP, 2k3, 2k8, Vista, RedHat Enterprise and SUSE Linux

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Xeon® 5600/5500 | Xeon® 5600/5500 | Xeon® 5600/5500 2108 ROC | Xeon® 5600/5500 | Xeon® 5600/5500 | Xeon® 3400 | Istanbul | Istanbul | Magny Cours |
| **X8DTH-6(F)** | **X8DT6(-F)** | **X8DTU-6F+/6TF+** | **X8DTL-6(F)** | **X8DA6** | **X8SI6-F** | **H8DA6+(-F)** | **H8QI6-F** | **H8QG6-F** |
| 12 DIMMs | 12 DIMMs | 18 DIMMs | 6 DIMMs | 12 DIMMs | 6 DIMMs | 16 DIMMs | 16 DIMMs | 32 DIMMs |
| 7 PCI-E 2.0 x8 (all in x16 slots) | 3 PCI-E 2.0 x8 1 PCI-E 2.0 x4 (in x8) 1 PCI-E x4 (in x8) | For 1U with Riser Card: 1 PCI-E 2.0 x8 + UIO, or 1 PCI-E 2.0 x16 For 2U with Riser Card: 4 PCI-E 2.0 x8 | 1 PCI-E 2.0 x8 (in x16) 2 PCI-E 2.0 x4 (in x8) 1 PCI-E x4 (in x8) 2 PCI 33 | 1 PCI-E 2.0 x16 2 PCI-E 2.0 x4 (in x8) 1 PCI-E x4 (in x8) 3 PCI-X 133/100MHz | 1 PCI-E 2.0 x8 (in x16) 1 PCI-E x4 (in x8) 1 32-bit PCI slot | 4 PCI-E 2.0 16 2 PCI-E 2.0 x4 (in x8) 1 PCI | 3 PCI-E 2.0 x16 1 PCI-E 2.0 x8 2 PCI-E 2.0 x4 (in x8) 1 UIO | 2 PCI-E 2.0 x16 2 PCI-E 2.0 x8 1 UIO |

## SAS 2.0 Storage Chassis (Direct Attached and Expander Backplanes)

| | | | | | |
|---|---|---|---|---|---|
| **SC510T-200** | **SC113** | **SC119** | **SC219** | **SC213** | **SC216** |

## 6Gb/s SAS (SAS 2.0) UIO RAID Controllers

Supermicro UIO Servers, combined with riser cards and 6Gb/s SAS UIO RAID controller cards, can provide numerous server configurations to fit specific application needs. Customers can choose from many UIO chassis, such as the 1U SC119TQ-R700UB with 2.5" HDDs or SC819TQ-R700UB with 3.5" HDDs and from four 6Gb/s SAS UIO RAID controller cards to configure an optimized system.

*Coming Soon!*

| Model | AOC-USAS2LP-H8iR | AOC-USAS2-L8iR | AOC-USAS2-L8i | AOC-USAS2-L8e |
|---|---|---|---|---|
| Type | UIO | UIO | UIO | UIO |
| Controller/IOP | LSISAS 2108 | LSISAS 2008 | LSISAS 2008 | LSISAS 2008 |
| SAS Port | 8 ports, 6Gb/s per port 8 Internal, Low Profile | 8 ports, 6Gb/s per port 8 Internal | 8 ports, 6Gb/s per port 8 Internal | 8 ports, 6Gb/s per port 8 Internal |
| RAID | RAID 0, 1, 5, 6, 10, 50, 60 | RAID 0, 1, 5, 10 | RAID 0, 1, 10, 1E | IT mode / HBA |
| Onboard Cache | 512 MB DDR2 on-card cache w/battery backup option | - | - | - |

**www.supermicro.com/SAS2**