3U Storage Systems with 100% Cooling Redundancy
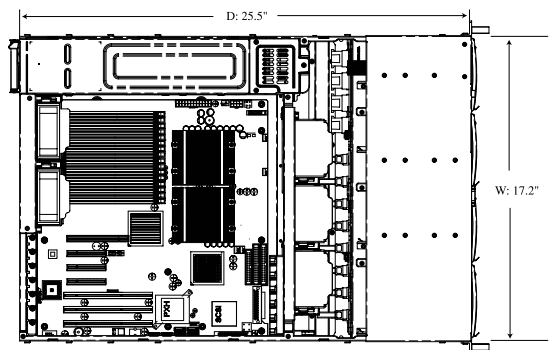

Available in Silver or Black

16 Hot-swap SAS / SATA / SCA drives
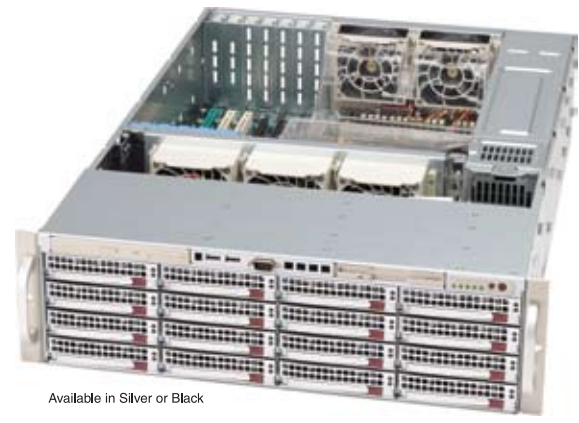
SC836 (3U Chassis / JBOD)
o Mass storage system supporting up to 16 SAS / SATA / SCA drives
o Supporting next generation dual-core Xeon processors
o SES2 features for SAS / SATA
o 800W high efficiency redundant power supplies
o 100% cooling redundancy
o 5 hot-plug redundant cooling fans

Model	Drive	Cooling System	Power Supply	+5V	+12V	Gross Weight
SC836E1/E2-R800	16 SAS/SATA w/SES2 for single-port / dual-port	5 x 6300rpm fans	800W (redundant w/I²C)	30	66	70 lbs
SC836TQ-R800	16 SAS/SATA w/SES2	5 x 6300rpm fans	800W (redundant w/I²C)	30	66	70 lbs
SC836S2-R800	16 dual-channel (8+8) SCA w/SAF-TE	5 x 6300rpm fans	800W (redundant w/I²C)	30	66	70 lbs

Available in Beige or Black

15 Hot-swap SAS / SATA / SCA drives
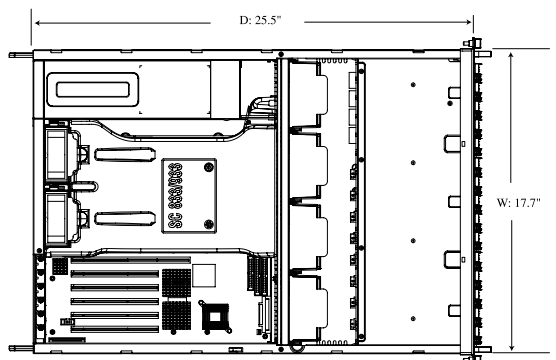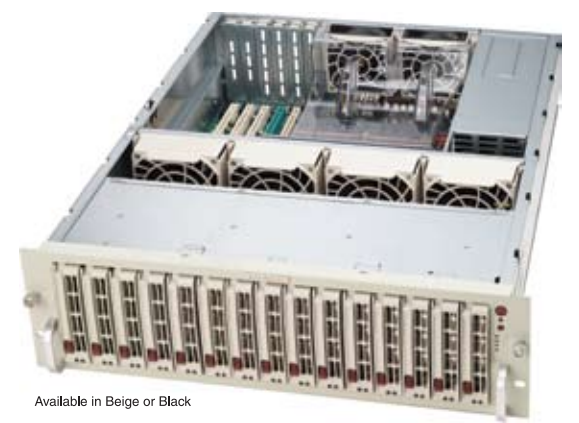
SC933 (3U Chassis / JBOD)
o Mass storage system supporting up to 15 SAS / SATA / SCA drives
o High density 3U design with cooling redundancy
o SES2 features for SAS / SATA
o 760W triple redundant power supplies
o 100% cooling redundancy
o 6 hot-plug redundant cooling fans

Model	Drive	Cooling System	Power Supply	+5V	+12V	Gross Weight
SC933E1/E2-R760	15 SAS/SATA w/SES2 for single-port / dual-port	6 x 5000rpm fans	760W +380W triple-redundant w/I²C	36	50	75 lbs
SC933T-R760	15 SAS/SATA	6 x 5000rpm fans	760W +380W triple-redundant w/I²C	36	50	75 lbs
SC933S1/S2-R760	14 [S2 model: dual-channel (7+7)] SCA w/SAF-TE	6 x 5000rpm fans	760W +380W triple-redundant w/I²C	36	50	75 lbs

SC836 and SC933
Equipped with 100% airflow redundancy, a revolutionary air-shroud design, high-efficiency power supplies, and hot-plug heavy-duty fans, Supermicro SC836 and SC933 chassis are state-of-the-art solutions for NAS, SAN, and enterprise servers. Supporting the latest SAS (serial attached SCSI) technology, these solutions are capable of handling up to 128 drives per controller. In addition, Supermicro has implemented easily accessible clustered instruments, multiple LED indicators, and front access USB and communication ports for ease of serviceability and maintenance. Powered by the latest dual-core Xeon processors, Supermicro's 3U storage platforms deliver a cost-effective clustering and mass storage solution in a scale-out strategy with pay-as-you-grow flexibility.

ZCR Cards • UIO Cards • Cables (SAS / SATA)

Zero-channel RAID Cards
For Motherboards with Onboard SAS / SATA / SCSI Controllers
RAID 0, 1, 10, and 5 Support

Key RAID Features
o RAID detection, buildup, delete, error detection
o Background initialization
o Hot-spare disk drive support for easy replacement
o Hot-spare disk support with automatic rebuild
o SAS with SES2 support (AOC-LPZCR2 only)
o Supports bootable arrays via jumper
o Storage management utility
o RAID configuration utility

Card Advantages
o Support SAS, SATA and SCSI modes (All-in-one)
    (interchangeable via jumper settings)
o Utilize motherboard's existing SAS/SATA/SCSI host controller
o Eliminate the need of a SAS/SATA/SCSI I/O chip on motherboard
    to save on cost of a regular RAID card
o Offer high-speed throughput, scalability and space-saving/
    cost-effective hardware RAID solution

AOC-LPZCR2
o 600 MHz Verde I/O Processor
o 256 MB Onboard ECC memory
o SAS with SES2 Support

AOC-LPZCR1
o 400 MHz Verde I/O Processor
o 64 MB Onboard ECC memory
o Low-Profile RAID card

AOC-SOZCR1
o 400 MHz Verde I/O Processor
o 64 MB Onboard ECC memory
o Socket card

UIO (Universal I/O) SAS RAID Controller
For Supermicro UIO Motherboards
Feature Advantages
o 8 ports, 3/Gb/s per port (4-in and 4-out, 2 aggregated 2.4GB/s throughputs)
o External connection to SAS/SATA JBODs or backup devices
o MPT (Message Passing Technology) architecture
o A 8-Lane PCI-Express interface (Supermicro UIO slot)

AOC-USAS-S4i1
- Intel Sunrise Lake chipset (IOP34x storage processor)
- Two Intel XScale® cores (operates at frequency of max. 1.5GHz)
- Hardware RAID 0, 1, 10 and 5/6 support
- 128MB or 256MB on-card cache with battery back-up option
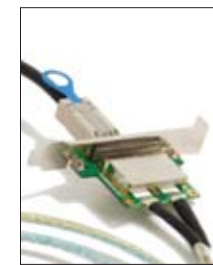- Capable of 128 end-point devices

AOC-USAS-L4i1
- LSI 1068E MegaRAID®
- ARM966 processor - 225MHz frequency
- Software RAID 0, 1, 10 and 5 support

SAS Cables
CBL-0167L
Single-port Internal to External
Cable Assembly

CBL-0108L-02 Mini SAS 4i to Mini SAS 4i

CBL-0117 SAS 8484 to Mini SAS 4i

CBL-0166L
Mini SAS x4 to Mini SAS x4
External Cable

CBL-0168L
Dual-ports Internal to External
Cable Assembly

CBL-0167L Mini SAS x4 to Mini SAS 4i
Single-port Internal to External Cable

CBL-0166L Mini SAS x4 to Mini SAS 4i
External Cable