

SUPERMICR®

SuperWorkstation

Featuring Redundant 1400W Gold-Level Power, FCC Class B Certification,
38dB Super-Quiet Performance



SC747TG-R1400B-SQ

- 38dB acoustically optimized for quiet office environments
- Redundant (1+1) 1400W Gold Level high-efficiency (93%) power supplies
- 9 full-height, full-length expansion slots
- 8 hot-swap 3.5" SAS/SATA HDD bays
- Highest MTBF hot-pluggable redundant fans
- 4 dedicated power connectors for high-end graphics cards
- Industry's first workstation with 1400W redundant power to receive FCC Class B Certification
- Ideal for graphics, home entertainment, gaming, and professional design applications



SUPERMICRO® Super-Quiet Workstation Solutions

The **SC747TG-R1400B-SQ** workstation chassis is the ultimate solution for graphics, entertainment, gaming, high-end office computing, and professional studio or design house applications. Offering industry-first FCC Class B certification for a workstation with 1400W redundant power and Super-Quiet 38 dB operation it is perfect for home and office use. This is the only consumer optimized chassis with redundant Gold Level high-efficiency (93%+) 1400W power supplies and PMBus support for intelligent power management, incorporating the highest level MTBF cooling and exhaust fans utilizing advanced fan speed controls. Its 8 hot-swap SAS/SATA HDD bays offer exceptional storage capacity for all conceivable consumer or office applications, and as an added feature includes four dedicated power connectors for high-end graphics cards and GPUs. Gamers, home entertainment enthusiasts and office managers seeking powerful productivity enhancement solutions will be delighted with this high-end workstation chassis solution from Supermicro.

SC747TG-R1400B-SQ chassis provides up to 9x PCI-E Full-Height Full-Length Expansion Slots

or 4x Double-width GPUs



Rear View



Industry's first workstation with 1400W redundant power to receive FCC Class B Certification

SC747TG-R1400B-SQ Chassis + H8DA6+-F Motherboard

Optimized Motherboards



X8DA6/X8DAE	X8DA3/X8DAi	X8DAH+-(F)	X8DTH-6/i(F)	H8DA6+-F
Dual Quad/Dual-Core Intel® Xeon® processor 5500 series, with QPI up to 6.4 GT/s	Dual Quad/Dual-Core Intel® Xeon® processor 5500 series, with QPI up to 6.4 GT/s	Dual Quad/Dual-Core Intel® Xeon® processor 5500 series, with QPI up to 6.4 GT/s	Dual Quad/Dual-Core Intel® Xeon® processor 5500 series, with QPI up to 6.4 GT/s	Dual Six-Core/Quad-Core AMD Opteron™ processor 2000 Series (Socket F); HT3.0 Link support
Ext. ATX 12"W x 13"H	Ext. ATX 12"W x 13"H	Ext. ATX 13.68"W x 13"H	Ext. ATX 12"W x 13"H	Ext. ATX 13.68"W x 13.05"H
96 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	96 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	144 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 18 DIMMs	96 GB of DDR3 Reg. ECC; 24 GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	Up to 128GB Reg. ECC DDR2 800/667/533 MHz SDRAM in 16 DIMMs
1 PCI-E 2.0 x16 2 PCI-E 2.0 x4 (in x8 slot) 1 PCI-E x4 (in x8 slot) 3 PCI-X 133/100 MHz slots	2 PCI-E 2.0 x16 1 PCI-E x4 (in x8 slot) 3 PCI	2 PCI-E 2.0 x16 1 PCI-E 2.0 x8 (1 in x16 slot) 1 PCI-E 2.0 x4 (in x8 slot)	7 PCI-E 2.0 x8 (all in x16 slots)	4 PCI-E x16 2 PCI-E x4 (in x8 slots) 1 PCI
LSI 2008 8-port 6 Gb/s SAS (SAS2) controller; RAID 0,1,10 for X8DA6 only RAID 5 with optional AOC-IMRRAKEY-2008-LSI	LSI 1068E 8-port SAS controller; RAID 0,1,10 for X8DA3 only RAID 5 with optional AOC-iButton68	Intel® ICH10R for 6 SATA (3 Gb/s); RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	LSI 2008 8-port 6 Gb/s SAS (SAS2) controller; RAID 0,1,10 for X8DTH-6(F) only RAID 5 with optional AOC-IMRRAKEY-2008-LSI	LSI 2008 8-port 6 Gb/s SAS (SAS2) controller; RAID 0,1,10 RAID 5 with optional AOC-IMRRAKEY-2008-LSI
Intel® ICH10R for 6 SATA (3 Gb/s); RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gb/s); RAID 0, 1, 5, 10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gb/s); RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	Intel® ICH10R for 6 SATA (3 Gb/s); RAID 0,1,5,10 (Windows) RAID 0,1,10 (Linux)	AMD SP5100 RAID 0, 1, 10
Dual LAN with Intel® 82574L Gigabit Ethernet	Dual LAN with Intel® 82573V/L Gigabit Ethernet	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82576 Gigabit Ethernet	Dual LAN with Intel® 82576 Gigabit Ethernet
7.1 HD audio Dual IEEE 1394a headers	7.1 HD audio Dual IEEE 1394a headers IPMI 2.0: AOC-SIMLC	IPMI 2.0 + KVM with dedicated LAN (-F versions only)	IPMI 2.0 + KVM with dedicated LAN (F versions only)	7.1 HD audio Dual IEEE 1394a headers IPMI 2.0 + KVM with dedicated LAN