SUPERMICRO® Quad Xeon Dual-Core Server
Scalable Enterprise Solutions

SuperServer 8044T-8R

Key Features

✔ Quad Intel Xeon Dual-Core MP 7000 sequence
✔ Intel E8501 chipset
✔ 64 GB ECC Reg. DDRII 400 SDRAM
✔ 3 x faster bandwidth performance
✔ PCI-Express implementation
✔ Superior storage capacity
✔ High-efficiency power supply
✔ Lower total cost of ownership (TCO)
✔ IPMI server remote management

SuperServer 8014T-T

By supporting up to four potent Intel Xeon Dual-Core MP processors, these SuperServers deliver unprecedented performance for demanding, multi-threaded applications, such as databases, financial services and supply-chain management. Powered by the Intel E8501 chipset with 3x faster bandwidth performance over previous generations, these SuperServers feature PCI-Express expansion, fast DDRII memory, Ultra320 SCSI, dual PCI-Express Gigabit connectivity, and IPMI management. Moreover, these SuperServers support both 32-bit and 64-bit applications, and use high-efficiency 1000W (85%+) power supplies to leverage themselves as long-duration products with low total cost of ownership (TCO).

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	SuperServer 8014T-T	**SuperServer 8044T-8R**
Processor Support	Quad Intel® Xeon® Dual-Core MP 7000 Sequence	Quad Intel® Xeon® Dual-Core MP 7000 Sequence
Key Applications	High-end enterprise server, SQL server, high performance computing cluster (HPCC), high density server farm	Mission critical applications, large database, e-business, Internet applications, on-line transaction processing
Key Features	2 SATA drive bays PCI-Express 64 GB DDRII 400 SDRAM memory 2 Gigabit Ethernet ports IPMI 2.0 server management 1000W high-efficiency power	5 SCA drive bays PCI-X & PCI-Express 64 GB DDRII 400 SDRAM memory 2 Gigabit Ethernet ports ZCR support IPMI 2.0 server management 1000W high-efficiency redundant power
Chipset/Serverboard	Intel® E8501/ SUPER® X6QTE+	Intel® E8501/ SUPER® X6QT8
System Memory (Max.)	64 GB ECC Reg. DDRII 400 SDRAM in 16 DIMM sockets	64 GB ECC Reg. DDRII 400 SDRAM in 16 DIMM sockets
Expansion Slots	1 PCI-Express x8 (using x16 slot)	1 PCI-Express x8 (using x16 slot) 1 PCI-Express x4 (using x8 slot) 3 PCI-X 133MHz 1 PCI-X 100MHz
Onboard SCSI/IDE	ATA 100	Adaptec® 7902W 2-channel Ultra320 SCSI
Onboard SATA/ SATA RAID	Intel® ICH5R controller for 2 SATA (3 Gbps); RAID 0, 1	Intel® ICH5R controller for 2 SATA (3 Gbps); RAID 0, 1
Zero Channel RAID (ZCR) Support	N/A	AOC-LPZCR2
Onboard LAN	Dual LAN with Intel® 82563EB Gigabit Ethernet controller	Dual LAN with Intel® 82563EB Gigabit Ethernet controller
Onboard VGA	ATI® ES1000 16MB PCI graphics controller	ATI® ES1000 16MB PCI graphics controller
Manageability	IPMI 2.0 socket, SUPER® Doctor III	IPMI 2.0 socket, SUPER® Doctor III
Internal Storage (Max.)	1.5 TB	1.5 TB
Drive Bays	2 x 3.5" hot-swap SATA drive bays & 1 x 3.5" spare drive bay	5 x 3.5" hot-swap SCA drive bays with SAF-TE
Peripheral Bays	1 slim DVD-ROM drive	90° rotatable module: 2 USB 2.0 ports & 2 x 5.25" drive bays, 1 floppy drive & 6 LED indicators
Power Supply	1000W high-efficiency power supply w/ I^2C	1000W redundant high-efficiency power supply w/ I^2C
Cooling System	6 x 4cm heavy-duty counter-rotating fans w/ optimal fan speed control & air shroud	3 x 8cm hot-swap cooling fans & 3 x 8cm exhaust fans with optimal fan speed control & air shroud
Form Factor	1U Rackmount 432 x 43 x 705mm (17" x 1.7" x 27.75")	4U Rackmount/ Tower 452 x 178 x 746mm (17.8" x 7" x 29.4")