

SuperWorkstation 5046A-XB Specifications

Key Features

1. Intel® Core™ i7 processor, Core™ i7 Extreme Edition, and future Intel® Nehalem processor families
2. Intel® X58 Express Chipset
3. Quick Path Interconnect (QPI) up to 6.4 GT/s
4. 24GB of DDR3 Unb. ECC or Non-ECC 1600/1333/1066/800 SDRAM
6. 2 PCI-E 2.0 x16, 1 PCI-E x4 (using x8 slot), 2 PCI-X, 1 PCI
7. 8 Hot-swap drive bays w/ Intel ICH10R for 6 SATA2(3 Gbps); RAID 0, 1, 5, 10
8. Intel Dual 82574L Gigabit Ethernet controllers
9. Realtek ALC883 High Definition 7.1 Channel Audio
10. Supports nVidia® SLI™ and ATI® CrossfireX™ Technology
11. 90-degree rotatable module: 6 LED indicators, 2 USB 2.0 ports, 1 FDD & 2 x 5.25 drive bays
12. Super-Quiet cooling system: 2 x 8cm PWM fans + 1 x 9cm exhaust fan + 1 x active heatsink w/ heatpipe
13. 865W high efficiency Cooling-Redundant Power Supply



Processor/Cache

Processor	Intel® Core™ i7 processor, Core™ i7 Extreme Edition, and future Intel® Nehalem processor families
QPI	up to 6.4 GT/s

Key Applications

High-end workstation, business critical applications, front-end server, database applications & video server

Chipset/Serverboard

Intel® X58 (Tylersbur DT) / Super C7X58

System Memory

Memory Capacity	Six DIMM sockets for up to 24GB of DDR3 Unb. ECC or Non-ECC 1600/1333/1066/800 memory
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Expansion Slots

2 PCI-E 2.0 x16, 1 PCI-E x4 (using x 8 slot), 1 PCI

Integrated On-Board

SATA	Intel ICH10R for 6 SATA(3 Gbps); RAID 0, 1, 5, 10 supported
LAN	Intel® Dual 82574L Gigabit Ethernet controller
Audio	Realtek ALC883 High Definition 7.1 Channel Audio

Front Panel

LED Indicators	Power status, HDD activity, two LAN link/activity & OH LED indication
Switches	Power switch & reset

Drive Bays

Drive Bays	8 x 3.5" hot-swap SAS/SATA drive bays & 2 x 5.25" drive bays
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Peripheral Bays

90-degree rotatable module: 6 LED indicators, 2 USB 2.0 ports, 1 FDD & 2 x 5.25 drive bays

Power Supply

865W high efficiency Cooling-Redundant Power Supply

Cooling System

Super-Quiet cooling system: 2 x 8cm PWM fans + 1 x 9cm exhaust fan + 1 x active heatsink w/ heatpipe

Form Factor

Tower/4U Rackmount

W x H x D	17.2"(437mm) x 7"(178mm) x 25.5"(648mm)
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For the most current product information, visit: www.supermicro.com