# SuperWorkstation 7044A-82 Specifications

**Highest-end Xeon Workstation**
800MHz System Bus with PCI-Express
Super Quiet & Tool-less Design

### Key Features

1. **Dual Intel Xeon (Nocona) processor supported**
2. **Super● X6DA8-G2 motherboard**
3. Up to 16 GB ECC Reg. DDRII 400 SDRAM
4. Dual Intel Gigabit Ethernet controllers
5. 1 PCI-Express x16, 1 PCI-Express x4
   (Dual x16 slots with one x16 and one x4 signal)
6. 1 PCI-X-133, 2 PCI-X-100, 1 PCI-33
7. Adaptec 7902 Ultra320 SCSI controller
8. Adaptec 2010S Zero channel RAID option
9. 8 x 1" hot -swap drive bays
10. IPMI 2.0 support
11. 90-degree rotatable bays:
    1 floppy drive & 2 x 5.25" drive bays
12. 4 x 8cm hot-swap PWM cooling fans
13. Super-quiet 645W power supply with
    thermal control



## Processor/Cache

| | |
|---|---|
| Processor | Dual Intel® Xeon® processor with Extended Memory 64 Technology (EM64T) |
| Sysem Bus | 800MHz |

## Key Applications

| | |
|---|---|
| | High-end workstation/server, business critical applications, front-end server, video server |

## Chipset/Serverboard

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|---|---|
| | Intel® E7525/Super X6DA8-G2 |

## System Memory

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|---|---|
| Memory Capacity | Eight DIMM sockets for up to 16GB of ECC Reg. DDRII 400 SDRAM |

## Expansion Slots

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|---|---|
| | 1 x16 PCI-Express, 1 x4 PCI-Express (with x16 slot), 1 PCI-X-133, 2 PCI-X-100, 1 PCI-33 |

## SCSI/SATA

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|---|---|
| | Adaptec 7902W dual channel Ultra320 SCSI host RAID controller with optional 2010S Zero channel RAID |
| | On-chip 2 SATA ports |

## Integrated On-Board

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|---|---|
| LAN/Audio | Dual port Gigabit LAN with Intel® 82546GB Ethernet controller, High-quality 6-channel AC'97 audio |
| USB/IDE | Up to 4 USB 2.0 ports, ATA/100 |

## Front Panel

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|---|---|
| LED/Switch | Power status, HDD activity, two LAN link/activity, fan fail/OH LED indication, power switch, reset switch |

## Drive Bays

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|---|---|
| | 8 x 1"  SCA drive bays with SAF-TE |

## Peripheral Bays

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|---|---|
| | 90-degree rotatable drive bays for rackmount: 1 floppy drive & 2 x 5.25" drive bays |

## Management

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|---|---|
| | SuperO Doctor III management software, Suspend to RAM, Watch Dog |
| | IPMI 2.0 support |

## Power Supply

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|---|---|
| | Super-quiet 645W power supply with thermal control |

## Cooling System

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|---|---|
| | 4x 8cm hot-swap Pulse Width Modulated (PWM) cooling fans |

## Form Factor

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|---|---|
| | 4U tower |
| Dimen./Weight | 7" (178mm)  x 17.1" (434mm) x 24.4" (620mm), 53lb. gross weight |
| Optional Kits | Rail Kit: CSE-PT26 |

## For the most current product information, visit: www.supermicro.com