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Technical Specifications

Dell™ Dimension™ 4550 Series

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| Microprocessor | |
|-----------------------|--|
| Microprocessor type | Intel® Pentium® 4 microprocessor that runs at 1.80, 1.90, 2.0, or 2.20 GHz internally and 400 MHz externally; or 2.26, 2.4, 2.53, 2.66, 2.8, or 3.06 GHz internally and 533 MHz externally |
| L1 cache | 8 KB first-level |
| L2 cache | integrated 256-KB or 512-KB at full microprocessor speed |

| System Information | |
|---------------------------|--|
| System chip set | Intel 845PE |
| DMA channels | four |
| Interrupt levels | 15 |
| System BIOS chip | 4 Mb (512 KB) |
| System clock | 100 MHz X 4 for 400 FSB or 133 MHz X 4 for 533 FSB - data rate |

| Expansion Bus | |
|------------------------------------|--------------------------|
| Bus types | PCI and AGP |
| Bus speed | PCI: 33 MHz; AGP: 66 MHz |
| AGP connector | one |
| AGP connector size | 172 pins |
| AGP connector data width (maximum) | 32 bits |
| AGP bus protocols | 4x/2x modes at 1.5 V |
| PCI connectors | four |
| PCI connector size | 120 pins |
| PCI connector data width (maximum) | 32 bits |

| Memory | |
|-------------------|--|
| Architecture | DDR SDRAM |
| Memory connectors | two |
| Memory capacities | 128-, 256-, and 512-MB non-ECC DDR SDRAM |
| Minimum memory | 128 MB |
| Maximum memory | 1 GB |
| Memory type | DDR 333 (non-ECC) only on computers with a 533-MHz system clock speed DDR 266 (non-ECC) on computers with either a 400- or a 533-MHz system clock speed |
| BIOS address | F8000h |

| Drives | |
|-----------------------|---|
| Externally accessible | two 5.25-inch bays two 3.5-inch bays |
| Internally accessible | two bays for 1-inch-high IDE hard drives |
| Available devices | ATA-100 Ultra DMA hard drive, CD drive, Zip drive, DVD drive, DVD+RW drive, and CD-RW drive |

| Ports and Connectors | |
|--|--|
| Externally accessible: | |
| Serial | 9-pin connector; 16550C-compatible |
| Parallel | 25-hole connector (bidirectional) |
| Video | 15-hole connector |
| Keyboard | 6-pin mini-DIN connector or USB connector |
| Mouse | 6-pin mini-DIN connector or USB connector |
| USB | two front-panel and four back-panel USB 2.0-compliant connectors |
| NIC | RJ45 connector |
| Headphone | front-panel miniature connector |
| Audio ¹ | three miniature connectors for line-in, line-out, and microphone |
| Internally accessible: | |
| Primary IDE channel | 40-pin connector on PCI local bus |
| Secondary IDE channel | 40-pin connector on PCI local bus |
| Floppy drive | 34-pin connector |
| ¹ Present only on computers with integrated audio capabilities. | |

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| Audio² | |
| Audio controller | 1981A Codec |
| ² Present only on computers with integrated audio capabilities. | |

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| Network | |
| NIC controller | Integrated Intel 10/100 Ethernet/Intel 82562ET (10/100) |

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| Video | |
| Video controller | AGP 4X |

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| Controls and Lights | |
| Power control | push button |
| Power light | green light on power button—blinking green in sleep state; solid green for power-on state |
| Hard-drive access light | green |
| Diagnostic code lights | four bicolor (amber and green) located on back panel |

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| Power | |
| DC power supply: | |
| Wattage | 250 W |
| Heat dissipation | 853 BTU (fully-loaded computer without monitor) |
| Voltage (switch-selectable on back panel) | 90 to 135 V at 50/60 Hz; 180 to 265 V at 50/60 Hz; 100 V at 50/60 Hz for Japanese computers |
| Backup battery | 3-V CR2032 coin cell |

| | |
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| Physical | |
| Height x Width x Depth | 42.5 x 18.1 x 44.7 cm (16.7 x 7.1 x 17.6 inches) |
| Weight | 12.7 kg (28 lb) |

| | |
|----------------------|--|
| Environmental | |
| Temperature: | |
| Operating | 10° to 35°C (50° to 95°F) ³ |
| Storage | -40° to 65°C (-40° to 149°F) |
| Relative humidity | 20% to 80% (noncondensing) |
| Maximum vibration: | |

| | |
|---|---|
| Operating | 0.25 G at 3 to 200 Hz at 1/2 octave/min |
| Storage | 0.5 G at 3 to 200 Hz at 1/2 octave/min |
| Maximum shock: | |
| Operating | bottom half-sine pulse with a change in velocity of 50.8 cm/sec (20 inches/sec) |
| Storage | 23-G faired-square wave with a velocity change of 508 cm/sec (200 inches/sec) |
| Altitude: | |
| Operating | -15.2 to 3048 m (-50 to 10,000 ft) ³ |
| Storage | -15.2 to 10,670 m (-50 to 35,000 ft) |
| ³ At 35°C (95°F), the maximum operating altitude is 914 m (3000 ft). | |

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