# Dell™ Inspiron™ 300/400 Comprehensive Specifications

This document provides information that you may need when setting up, updating drivers for, and upgrading your computer.

**NOTE:** Offerings may vary by region. For more information regarding the configuration of your computer, click **Start** ® **Help and Support** and select the option to view information about your computer.

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# Processor

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| Type | Intel$^®$ Atom™ | AMD Athlon™ AMD Athlon X2 |
| L2 cache | 512 KB | 512 KB 1 MB |
| DRAM bus width | — | 64 bits |
| External bus frequency | 133 MHz | 200 MHz |

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# Drives and Devices

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| Externally accessible | one 12.7-mm tray load for SATA DVD-ROM or DVD+/-RW Super Multi Drive | one 12.7-mm tray load for SATA DVD+/-RW Super Multi Drive or Blu-ray Disc™ combo |
| Communication (optional) | — | Mini PCIe WLAN card (802.11 b/g or 802.11 a/b/g/n) |

| | one 3.5-inch bay | one 3.5-inch bay |
|---|---|---|
| Internally accessible | for SATA hard drive | for SATA hard drive |

# Memory

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| Connectors | one | two |
| Minimum | 1 GB | 1 GB |
| Maximum | 1 GB | 8 GB |
| Memory type | 533 MHz DDR2 UDIMM; non-ECC memory only | 800 MHz DDR2 SODIMM; non-ECC memory only |
| Memory capacities | 1 GB | 1 GB, 2 GB, and 4 GB |
| Memory configurations possible | 1 GB | 1 GB, 2 GB, 3 GB, 4 GB, 6 GB, and 8 GB |

# Computer Information

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| System chipset | Intel 945GC | AMD® 780G |
| Data bus width | 64 bits | 64 bits |
| DRAM bus width | 64 bits | — |
| Processor address bus width | 32 bits | — |
| Flash EEPROM | 8 MB | 8 MB |
| Memory speed | 667 MHz | 800 MHz |

# Expansion Bus

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| SATA 2.0 | 1.5 Gbps and 3.0 Gbps | 1.5 Gbps and 3.0 Gbps |
| USB 2.0 | <ul><li>high speed — 480 Mbps</li><li>full speed — 12 Mbps</li><li>low speed — 1.2 Mbps</li></ul> | <ul><li>high speed — 480 Mbps</li><li>full speed — 12 Mbps</li><li>low speed — 1.2 Mbps</li></ul> |

# Video

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| Video | Intel UMA | *UMA:* ATI Mobility Radeon™ HD 3200 *Discrete:* ATI Mobility Radeon HD 4330 (optional) |
| Video memory | up to 128 MB | up to 256 MB (UMA) 512 MB DDR3 (Discrete) |

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# Audio

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| Audio type | integrated 2.1 channel, High Definition Audio | integrated 2.1 channel, High Definition Audio |
| Volume controls | software program controlled | software program controlled |

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# Memory Card Reader

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| Cards supported | <ul><li>Secure Digital (SD) Card</li><li>Mini Secure Digital Card</li><li>Micro SD Card</li><li>Secure Digital High Capacity (SDHC) Card</li></ul> | <ul><li>Secure Digital (SD) Card</li><li>Mini Secure Digital Card</li><li>Micro SD Card</li><li>Secure Digital High Capacity (SDHC) Card</li></ul> |

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# System Board Connectors

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| Memory | one 240-pin connector | two 200-pin connectors |
| Chassis fan | one 4-pin connector | one 4-pin connector |

| Graphic fan | — | one 4-pin connector |
|---|---|---|
| SATA | two 7-pin connectors | two 7-pin connectors |

# External Connectors

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| **Front Panel Connectors** | | |
| USB | two USB 2.0-compliant connectors | two USB 2.0-compliant connectors |
| Audio | one headphone connector | one headphone connector |
| Memory card reader | one 4-in-1 memory card reader | one 4-in-1 memory card reader |
| **Back Panel Connectors** | | |
| Network adapter | one RJ45 connector (10/100) | one RJ45 connector(10/100/1000) |
| USB | two USB 2.0-compliant connectors | two USB 2.0-compliant connectors |
| Audio | one microphone connector one line-out connector | one microphone connector one line-out connector |
| Video | one VGA connector | one VGA connector one HDMI connector |
| Power | one AC adapter connector | one AC adapter connector |
| eSATA | — | two connectors |

# Battery

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| Coin-cell battery | 3-V CR2032 lithium coin cell | 3-V CR2032 lithium coin cell |

# Physical

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| Height | 197.6 mm (7.77 inches) | 197.6 mm (7.77 inches) |
| | | |

| | | |
|---|---|---|
| Width | 197.6 mm (7.77 inches) | 197.6 mm (7.77 inches) |
| Depth | 89 mm (3.50 inches) | 89 mm (3.50 inches) |
| Weight (without AC adapter) | 1.6 kg (3.53 lb) | 2.0 kg (4.41 lb) |

# AC Adapter

| Computer Model | Inspiron 300 | Inspiron 400 |
|---|---|---|
| **AC Adapter (65 W)** | | |
| Input voltage | 100-240 VAC | 100-240 VAC |
| Input current | 1.7 A | 1.7 A |
| Input frequency | 50–60 Hz | 50–60 Hz |
| Output power | 65 W | 65 W |
| Output current | 3.42 A | 3.42 A |
| Rated output voltage | 19 +/- 0.95 VDC | 19 +/- 0.95 VDC |
| **Dimensions:** | | |
| Height | 31.5 mm (1.24 inches) | 31.5 mm (1.24 inches) |
| Width | 45.5 mm (1.79 inches) | 45.5 mm (1.79 inches) |
| Depth | 108 mm (4.25 inches) | 108 mm (4.25 inches) |
| Weight (without AC adapter) | 0.25 kg (0.55 lb) | 0.25 kg (0.55 lb) |
| Weight (Auto-Air adapter without AC/DC cord) | 0.26 kg (0.57 lb) | 0.26 kg (0.57 lb) |
| **AC Adapter (75 W)** **NOTE: The 75 W AC adapter is shipped with the discrete graphics card.** | | |
| Input voltage | — | 100-240 VAC |
| Input current | — | 1.5 A |
| Input frequency | — | 50–60 Hz |
| Output power | — | 75 W |
| Output current | — | 3.95 A |
| Rated output voltage | — | 19 +/- 0.95 VDC |
| **Dimensions:** | | |
| Height | — | 30.3 mm (1.19 inches) |
| Width | — | 57.0 mm (2.24 inches) |
| Depth | — | 132.5 mm (5.21 inches) |
| Weight (without AC adapter) | — | 0.45 kg (0.99 lb) |

| Weight (Auto-Air adapter without AC/DC cord) | — | 0.46 kg (1.01 lb) |
|---|---|---|

# Computer Environment

| Temperature range: | |
|---|---|
| Operating | 10°C to 35°C (50°F to 95°F) |
| Storage | -40°C to 65°C (-40°F to 149°F) |
| Relative humidity (maximum) | 20% to 80% RH (non-condensing) |
| **Maximum vibration (using a random-vibration spectrum that simulates user environment):** | |
| Operating | 5 to 350 Hz at 0.0002 G2/Hz |
| Storage | 5 to 500 Hz at 0.001 to 0.01 G2/Hz |
| **Maximum shock (measured with hard drive in head-parked position and a 2-ms half-sine pulse):** | |
| Operating | 40 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 20 in/sec [51 cm/sec]) |
| Storage | 105 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 50 in/sec [127 cm/sec]) |
| **Altitude (maximum):** | |
| Operating | -15.2 to 3048 m (-50 to 10,000 ft) |
| Storage | -15.2 to 10,668 m (-50 to 35,000 ft) |
| Airborne contaminant level | G2 or lower as defined by ISA-S71.04-1985 |