




# Dell™ Inspiron™ 1546: 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

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Type	<ul style="list-style-type: none"><li>• AMD Turion™ X2 Ultra Dual-Core</li><li>• AMD Turion X2 Dual-Core</li><li>• AMD Athlon™ X2 Dual-Core</li><li>• AMD Sempron™</li></ul>
L2 cache	<ul style="list-style-type: none"><li>• 2 MB (AMD Turion X2 Ultra Dual-Core)</li><li>• 1 MB (AMD Turion X2 Dual-Core, AMD Athlon X2 Dual-Core)</li><li>• 512 KB (AMD Sempron)</li></ul>
External bus frequency	200 MHz

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## Computer Information

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System chipset	AMD RS780M/SB700
Data bus width	64-bits
DRAM bus width	128-bits
Flash EPROM	2 MB
Graphic bus	64-bits

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## Memory Card Reader

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Card reader controller	Realtek RTS5159
Card reader connector	7-in-1 combo card connector
Flash cards supported	<ul style="list-style-type: none"><li>• Secure Digital (SD) memory card</li><li>• Secure Digital High Capacity (SDHC) card</li><li>• Memory Stick</li><li>• Memory Stick PRO</li><li>• Multi Media Card (MMC)</li><li>• xD-Picture Card (type - M and type - H)</li><li>• MMC+</li></ul>

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## Memory

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Memory connectors	two user-accessible SO-DIMM connectors
Memory capacities	1 GB, 2 GB, and 4 GB
Memory type	800 MHz DDR2 SO-DIMM
Memory configurations	1 GB, 2 GB, 3 GB, 4 GB, 6 GB, and 8 GB

**NOTE:** For instructions on upgrading memory, see the *Service Manual* at [support.dell.com/manuals](http://support.dell.com/manuals).

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## Connectors

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Audio	one microphone-in connector one stereo headphone/speaker connector
Mini-Card	one half-size connector
Network adapter	one RJ45 connector
USB	three 4-pin USB 2.0-compliant connectors
Video	one 15-hole connector

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**Communications**

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Modem interface	external V.92 56K USB (optional)
Network adapter	10/100 Ethernet LAN on system board
Wireless	internal WLAN Mini-Card with WiFi a/b/g/n; Bluetooth® wireless technology (optional)

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**Video**

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Video type	integrated on system board
Video controller	ATI M92LP
Video memory	512 MB
LCD interface	Low-voltage differential signaling (LVDS)

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**Audio**

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Audio type	2.0 channel with SRS enhanced audio
Audio controller	Realtek
Stereo conversion	24-bit (analog-to-digital and digital-to-analog)
Internal interface	Intel High Definition audio
Speakers	two 2.0 watt speakers
Volume controls	keyboard function keys

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**Camera**

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Camera resolution	1.3 megapixel
Video resolution	640 x 480 at 30 fps (maximum)
Diagonal viewing angle	65°

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**Display**

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Type	15.6-inch HD WLED with TrueLife
Height	193.5 mm (7.62 inches)
Width	344.2 mm (13.55 inches)
Diagonal	394.1 mm (15.6 inches)
Luminance	220 nits (typical)
Maximum resolution	1366 x 768
Refresh rate	60 Hz
Operating angle	0° (closed) to 140°
Horizontal viewing angle	40/40
Vertical viewing angle	15/30 (H/L)
Pixel pitch	0.252 x 0.252 mm
Controls	brightness can be controlled through keyboard shortcuts (see the <i>Dell Technology Guide</i> for more information)

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**Keyboard**

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Number of keys	102 (U.S. and Canada); 103 (Europe); 106 (Japan); 105 (Brazil)
Layout	QWERTY/AZERTY/Kanji

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**Touchpad**

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X/Y position resolution (graphics table mode)	240 cpi
Width	86.5 mm (3.4 inches) sensor-active area
Height	48 mm (1.9 inches) rectangle

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**Battery**

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## 9-cell "smart" lithium ion

Depth	76.7 mm (3.02 inches)
Height	20.0 mm (0.78 inches)
Width	221.0 mm (8.70 inches)
Weight	0.51 kg (1.12 lb)

## 6-cell "smart" lithium ion

Depth	57.2 mm (2.25 inches)
Height	20.0 mm (0.78 inches)
Width	205.1 mm (8.07 inches)
Weight	0.35 kg (0.77 lb)

Voltage 11.1 VDC

Charge time (approximate) 4 hours (when the computer is turned off)

Life span (approximate) 300 discharge/charge cycles

## Temperature range

Operating 0° to 35° C (32° to 95°F)

Storage -40° to 65° C (-40° to 149°F)

Coin-cell battery CR-2032

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**AC Adapter**

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Input voltage 100–240 VAC

Input current 1.5 A

Input frequency 50–60 Hz

Output power 90 W

Output current 4.62 A (continuous)

Rated output voltage 19.5 ± 1 VDC

## Temperature range

Operating 0° to 35°C (32° to 95°F)

Storage -30° to 65°C (-22° to 149°F)

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**Physical**

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Height	25.9 mm to 37.8 mm (1.02 inches to 1.49 inches)
Width	373.5 mm (14.70 inches)
Depth	244.0 mm (9.60 inches)
Weight (with 6-cell battery)	configurable to less than 2.7 kg (6 lb)

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**Computer Environment**

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## Temperature range

Operating	0° to 35°C (32° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)

## Relative humidity (maximum)

Operating	10% to 90% (non-condensing)
Storage	5% to 95% (non-condensing)

## Maximum vibration (using a random vibration spectrum that simulates user environment)

Operating	0.66 GRMS
Non-Operating	1.30 GRMS

## Maximum shock (for operating — measured with Dell Diagnostics running on the hard drive and a 2-ms half-sine pulse; for non-operating — measured with hard drive in head-parked position and a 2-ms half-sine pulse)

Operating	110 G
Non-Operating	160 G

## 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

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