




# Dell™ Inspiron™ 1564

## 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	Intel® Core™ i5 Intel Core i3
L1 cache	32-KB instruction and 32-KB data first-level cache for each core
L2 cache	256-KB shared instruction/data second-level cache for each core
L3 cache	Up to 4-MB shared instruction/data third-level cache shared among all cores

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### Computer Information

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System chipset	Intel HM55
Data bus width	64 bits
DRAM bus width	64 bits
Flash EPROM	4 MB

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## Memory Card Reader

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

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## Memory

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Memory connectors	two internally-accessible SODIMM connectors
Memory capacities	1 GB, 2 GB, and 4 GB
Memory type	DDR3 1066 MHz
Memory configurations	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 Mini-Card connector
HDMI	one 19-pin 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 (optional)	External V.92 56K USB modem
Network adapter	10/100 Ethernet LAN on system board
Wireless	internal WLAN Mini-Card with WiFi 802.11a/b/g/n, and Bluetooth® wireless technology

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**Video**

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Discrete video type	integrated on system board
Discrete video controller and memory	ATI M92-LP 512 MB DDR3 ATI Park 1 GB DDR3
UMA video type	integrated on system board
UMA video controller	Intel HD Graphics
UMA video memory	up to 1752 MB of shared memory
LCD interface	Low-voltage differential signaling (LVDS)

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**Audio**

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Audio type	2-channel High Definition
Audio controller	Realtek ALC269Q-GR
Stereo conversion	24-bit (analog-to-digital and digital-to-analog)
Internal interface	Intel High Definition audio
Speakers	2 x 2 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	66°

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**Display**

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Type	15.6-inch HD WLED with TrueLife
Height	193.54 mm (7.62 inches)
Width	344.23 mm (13.55 inches)
Diagonal	396.42 mm (15.6 inches)
Luminance	220/200 nits
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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**Touch Pad**

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X/Y position resolution (graphics table mode)	240 cpi
Width	79.7 mm (3.13 inches) sensor-active area
Height	47.7 mm (1.87 inches) rectangle

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**Battery**

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## 6-cell “smart” lithium ion

Depth	53.1 mm (2.09 inches)
Height	22.3 mm (0.88 inches)
Width	274.5 mm (10.8 inches)
Weight	0.35 kg (0.77 lb)

## 9-cell “smart” lithium ion

Depth	53.12 mm (2.09 inches)
Height	42.9 mm (1.69 inches)
Width	314.45 mm (12.38 inches)
Weight	0.52 kg (1.15 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 65 W or 90 W

Output current 3.34 A (65 W) (continuous)

4.62 A (90 W) (continuous)

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**AC Adapter (continued)**

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Rated output voltage	19.5 ± 1 VDC
Temperature range	
Operating	0° to 35°C (32° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)

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**Physical**

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Height	20.0 mm to 32.8 mm (0.78 inches to 1.3 inches)
Width	380.0 mm (14.96 inches)
Depth	248 mm (9.76 inches)
Weight (with 6-cell battery)	configurable to less than 2.54 kg (5.6 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

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**Computer Environment (continued)**

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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 the 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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**Regulatory Model: P08F series**

**Regulatory Type: P08F001**

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