DELL™

Dell™ Inspiron™ 1764 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.

Processor	
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

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

December 2009

Memory Card Reader

Card reader controller	Realtek RTS5159
Card reader connector	7-in-1 combo card reader
Flash cards supported	• Secure Digital (SD) memory card
	• Secure Digital High Capacity (SDHC) memory card
	• Multi Media Card (MMC)
	• MMC+
	• Memory Stick
	• Memory Stick Pro
	• xD-Picture Card (type - M and type - H)

Memory

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**.

Connectors

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	four 4-pin USB 2.0-compliant connectors
Video	one 15-hole connector

Communications

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

Video

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)

Audio

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

Camera

Camera resolution	1.3 megapixel
Video resolution	640 x 480 at 30 fps (maximum)
Diagonal viewing angle	66°

Display

Type	17.3-inch HD+ WLED with TrueLife
Height	214.81 mm (8.46 inches)
Width	381.88 mm (15.03 inches)
Diagonal	439.42 mm (17.3 inches)
Luminance	220/200 nits
Maximum resolution	1600 x 900
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 *Dell Technology Guide* for more information)

Keyboard

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

Touch Pad

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

Battery

6-cell "smart" lithium ion	
Depth	53.12 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

AC Adapter

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)

AC Adapter *(continued)*

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)

Physical

Height	20.8 mm to 33.3 mm (0.8 inches to 1.3 inches)
Width	420.0 mm (16.53 inches)
Depth	276.0 mm (10.86 inches)
Weight (with 6-cell battery)	configurable to less than 3.3 kg (7.27 lb)

Computer Environment

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

Computer Environment *(continued)*

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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