

# DELL™ INSPIRON™ 1300



***Basic Features,  
Affordable Widescreen***

**REVIEWERS GUIDE**



# Dell™ Inspiron™ 1300

*Basic Features, Affordable Widescreen*

## Processor

- Intel® Celeron® M Processor 360
- Intel® Celeron® M Processor 370
- Intel® Celeron® M Processor 380
- Intel® Pentium® M Processor 725
- Intel® Pentium® M Processor 740

## Display (Active Matrix TFT)

- 14.1" WXGA (1280X800)
- 15.4" WXGA (1280X800)

## Memory (shared)\*

- 256MB DDR2 SDRAM
- 512MB DDR2 SDRAM
- 768MB DDR2 SDRAM
- 1024MB DDR2 SDRAM

## Hard drive

- 40GB\* HDD
- 60GB\* HDD
- 80GB\* HDD

## Video

- Intel® Integrated GMA 900  
with up to 128MB of shared Memory

## Media

- 24X CD/DVD Combo
- 8X DVD+/-RW\*

## Battery

- 4 Cell Li-Ion Battery
- 6 Cell Li-Ion Battery

## Wireless Solutions

- Dell™ Wireless 1370 Internal Wireless (802.11b/g, 54Mbps\*)
- Dell™ Wireless 1470 Dual band Internal Wireless (802.11a/b/g, 54Mbps\*)

## Multimedia

- Three USB 2.0 ports
- ExpressCard™ slot supports ExpressCard/34 and ExpressCard/54 cards

## Audio

- Integrated audio with Intel® High Definition Audio compliant and built-in stereo speakers

## Operating System

- Microsoft® Windows® XP Home
- Microsoft® Windows® XP Professional

## Productivity Suite

- Productivity Pack including WordPerfect® 12
- WordPerfect® Office 12
- Microsoft® Works Suite 2004
- Microsoft® Office 2003 Basic Edition
- Microsoft® Office 2003 Small Business Edition
- Microsoft® Office 2003 Professional Edition

## Accessories

- 64MB\* Dell™ USB Memory Key
- 128MB\* Dell™ USB Memory Key
- 256MB\* Dell™ USB Memory Key



YOUR CONFIGURATION

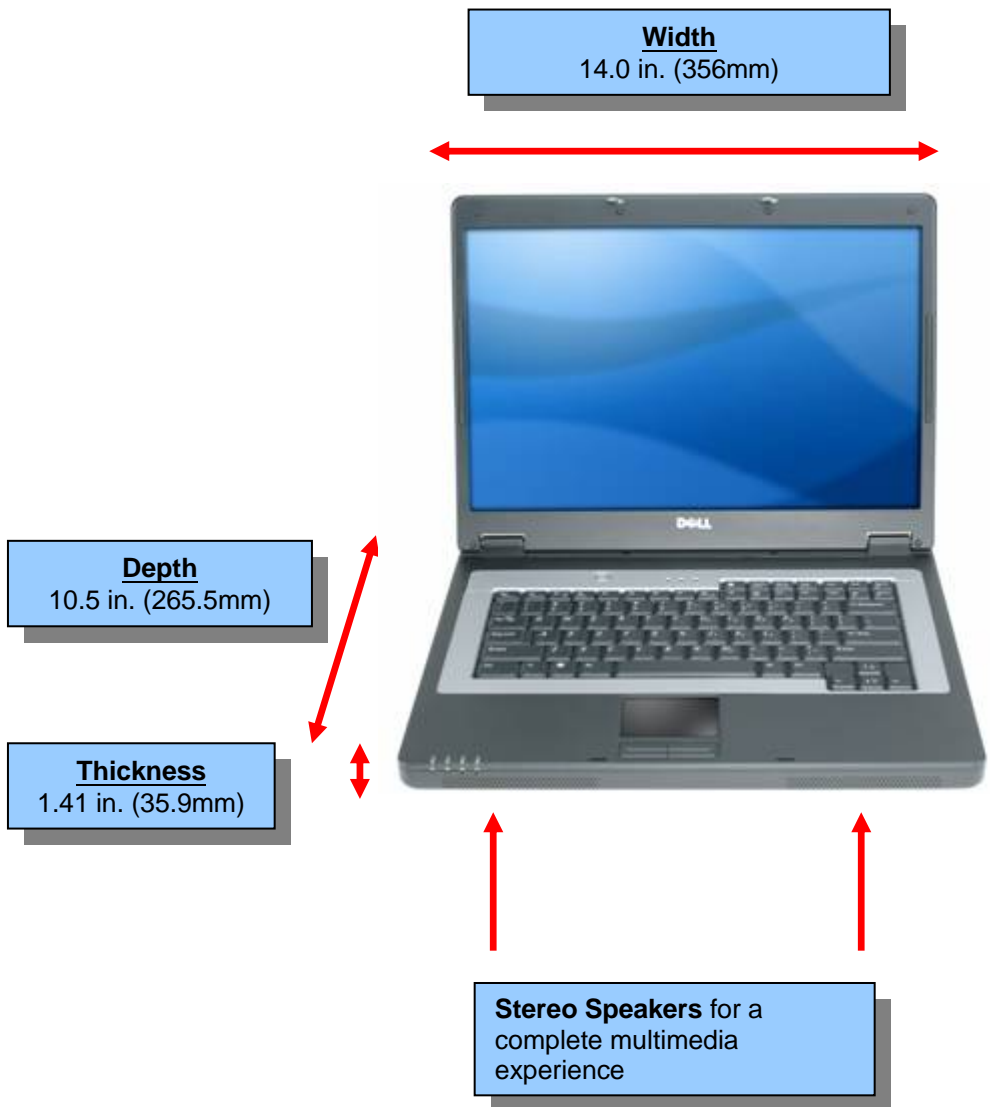
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## Front View with Display Panel Open

# CHASSIS FEATURES



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## Rear View



AC Adapter  
Plug-In

Air  
Flow  
Vent

## Bottom View

Memory Module  
Mini PCI cover

Feet

Cooling  
Fan

Hard Drive

4 or 6-cell  
Li-Ion  
Battery

Thermal  
Module  
Cover

Battery Latch  
Release Lock

Battery  
Latch  
Release

CHASSIS FEATURES

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Left View



Modem Connector

(3) USB2.0 ports

ExpressCard™ Slot for easy expansion

Standard 10/100 Ethernet Port for easy broadband access

Standard 56K\* Modem for easy dial-up access

Headphone & Microphone Ports for multimedia

Right View



Fixed Optical Drive – DVD/CD-RW Combo or DVD+/-RW\* Drives

Kensington Lock Slot to help prevent system theft

# CHASSIS FEATURES

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TECHNICAL SPECS

## INTEL® MICROPROCESSOR

Processor type	Intel® Celeron® M & Pentium® M processors
Processor speed support	Up to 1.50GHz 400MHz on Celeron® M Up to 1.86GHz 533MHz on Pentium® M
Internal L2 cache	1MB on Celeron® M, 2MB on Pentium® M
External bus frequency	400MHz/533MHz
Math coprocessor	Internal

## CHIPSET AND SYSTEM ARCHITECTURE

System chipset	Intel 910GML
Processor Data bus width	64 bits
DRAM bus width	64 bits (Dual channel)
Processor Address bus width	32 bits
Graphic Bus	internal

## SYSTEM MEMORY

Architecture	DDR SDRAM (shared)*
Memory module capacities	256MB, 512MB, and 1GB
Memory module socket	Two SODIMM socket
Standard RAM	256MB
Maximum RAM	2048MB

## EXPRESSCARD\* SPECIFICATIONS

CardBus Controller	ICH6M
Express Card Connectors	One ExpressCard slot 54mm
Cards Supported	ExpressCard/34 (34mm) ExpressCard/54 (54mm)
PC Card Connector Size	28 pins

## I/O PORTS SPECIFICATION

Video	VGA - 15-hole connector
Audio	Microphone connector, stereo headphone/speakers connector
USB	Three 4-pin USB 2.0-compliant connectors
10/100 Ethernet LAN	RJ-45
56K* Modem	RJ-11

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## TECHNICAL SPECS

### VIDEO SPECIFICATION

<b>Video Type</b>	Intel 910GML Integrated Graphics
<b>Graphics Memory (shared)</b>	64MB (with 256MB of system memory) or 128MB (with system memory larger than 256MB)

### 15.4" LCD SPECIFICATION – WXGA

<b>Type</b>	WXGA TFT
<b>Dimensions</b>	
Height	207mm (8.2 inches)
Width	331.2mm (13.1 inches)
Diagonal	391.2mm (15.4 inches)
<b>Max Resolutions/Colors</b>	1280 x 800 at 262k colors
<b>Response Time (typical)</b>	35-ms rise+fall (max)
<b>Viewing angles</b>	
Horizontal	+/-40° typical
Vertical	+10° /-30°
<b>Pixel Pitch</b>	0.2588mm

### 14.1" LCD SPECIFICATION – WXGA

<b>Type</b>	WXGA TFT
<b>Dimensions</b>	
Height	189.8 mm (7.5 inches)
Width	303.7 mm (11.9 inches)
Diagonal	358.1 mm (15.4 inches)
<b>Max Resolutions/Colors</b>	1280 x 800 at 262K colors
<b>Response Time (typical)</b>	35-ms rise+fall (max)
<b>Viewing angles</b>	
Horizontal	+/-40° typical
Vertical	+10° /-30°
<b>Pixel Pitch</b>	0.237 mm

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TECHNICAL SPECS

## INTEGRATED AUDIO

<b>Audio Controller</b>	SigmaTel STAC9200
<b>Stereo Conversion</b>	18-bit (analog-to-digital & digital-to-analog)
<b>Interfaces</b>	
Internal	HDA bus
External	Microphone-in connector, stereo headphone/speakers connector
<b>Internal Speaker Amplifier</b>	1.0-W channel into 4 ohms
<b>Volume Controls</b>	Volume can be controlled through key combinations or application program menus

## COMMUNICATIONS

<b>Modem Type</b>	v.92 56K* MDC
<b>Modem Controller</b>	Conexant CX11254/CX20493
<b>Modem Interface</b>	Internal HDA bus
<b>Network Adapter</b>	10/100 Ethernet LAN on system board

## KEYBOARD

<b>Number of Keys</b>	87 (US & Canada); 88 (Europe); 91 (Japan)
<b>Layout</b>	QWERTY/AZERTY/KANJI

## TOUCH PAD

<b>X/Y position resolution (graphics table mode)</b>	240 cpi
<b>Size:</b>	
Width	73.0-mm (2.9-inch) sensor-active area
Height	42.9-mm (1.70-inch) rectangle



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TECHNICAL SPECS

## BATTERY

<b>Type</b>	4-cell (29Whr) "Smart" Lithium Ion 6-cell (56Whr) "Smart" Lithium Ion
<b>Dimensions</b>	
Height	24 mm (0.94 inch)
Depth	54 mm (2.13 inches)
Width	250 mm (9.84 inches)
<b>Weight</b>	0.24kg (1.06 lbs) – 4cell Li-Ion 0.35kg (0.7lbs) – 6cell Li-ion
<b>Voltage</b>	14.8 VDC – 4cell Li-Ion 11.1VDC – 6cell Li-Ion
<b>Capacity</b>	4-cell, 6-cell
<b>Battery Life</b>	TBD – 4 cell Li-Ion TBD – 6 cell Li-Ion
<b>Battery Charge Time</b>	Approximately 3.0 hours*
<b>Lifespan (approximate)</b>	500 discharge/charge cycles
<b>Temperature Range</b>	
Charge/Discharge	0° to 35°C (32° to 95°F)
Storage	-40° to 65° (-40° to 149°F)

## AC ADAPTER

<b>Input Voltage</b>	100 to 240 VAC
<b>Input Current (Maximum)</b>	1.5 A
<b>Input Frequency</b>	47 to 63 Hz
<b>Output Current</b>	3.16 A continuous
<b>Output Power</b>	60W
<b>Rated Output Voltage</b>	19 VDC
<b>Physical</b>	
Height	29.0mm (1.14 inches)
Width	49.5mm (1.95 inches)
Depth	114.5mm (4.50 inches)
Weight (with cables)	0.27kg (0.60 lb.)
<b>Temperature Range</b>	
Operating	0° to 40°C (32° to 104°F)
Storage	-40° to 70°C (-40° to 158°F)

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## TECHNICAL SPECS

### PHYSICAL CHARACTERISTICS

#### 14.1" LCD

Height	35.9mm (1.41 inches)
Width	356mm (14.0 inches)
Depth	265.5mm (10.5 inches)
Weight	Starting at 2.9kg (6.4lbs)*

#### 15.4" LCD

Height	35.9mm (1.41 inches)
Width	356mm (14.0 inches)
Diagonal	265.5.1mm (10.5 inches)
Weight	Starting at 3.0kg (6.7 lbs.)*

### SYSTEM OPERATING CONDITIONS

#### Temperature

Operating	0° to 40°C (32° to 104°F)
Storage	-40° to 65°C (-40° to 149°F)

#### Relative Humidity

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

#### Maximum Vibration

Operating	0.9 GRMS
Storage	1.3 GRMS

#### Maximum Shock (measured with HDD in head-parked position)

Operating	142 G
Storage	163 G

#### Maximum Altitude

Operating	-15.2m to 3,048m (-50 ft. to 10,000 ft.)
Storage	-15.2m to 10,668m (-50 ft. to 35,000 ft.)