



Specifications

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Regulatory Model: P18F | Type: P18F001; P18F002; P18F003; P18F004

Computer Model: Inspiron M5040/15-N5040/15-N5050/3520

Dimensions

Height	21 mm (0.83 inches)
Width	347 mm (13.67 inches)
Depth	240 mm (9.45 inches)
Weight with 6-cell battery and optical drive (starting at)	1.92 kg (4.23 lb) NOTE: The weight of your laptop will vary depending on the configuration ordered and the manufacturing variability.

System information

Computer model	Inspiron M5040/15-N5040/15-N5050/3520
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Processor

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|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inspiron 15-N5040/
15-5050/3520 | <ul style="list-style-type: none">• Intel Celeron• Intel Pentium dual core• Intel Core i3 (2nd and 3rd generation)• Intel Core i5 (2nd and 3rd generation) |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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| Inspiron M5040 | <ul style="list-style-type: none">• AMD E-Series• AMD C-Series |
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System chipset

Inspiron 15-N5040	Intel HM57 Express Chipset
Inspiron 15-N5050	Intel HM67 Express Chipset
Inspiron 3520	Intel HM75 Express Chipset
Inspiron M5040	AMD A50M

Memory

Connectors	two internally-accessible DDR3 SODIMM sockets
Capacities	2 GB and 4 GB
Minimum memory	2 GB
Maximum memory	8 GB
Memory type	1333/1600 MHz DDR3 SODIMM NOTE: The memory operates at 1066 MHz on Inspiron M5040 and Inspiron N5040.
Memory configurations supported	2 GB, 4 GB, 6 GB, and 8 GB

Communications

Network adapter	10/100 Ethernet LAN on system board
Wireless	<ul style="list-style-type: none">• WLAN b/g/n• Bluetooth 4.0 for Inspiron 3520• Bluetooth 3.0 for Inspiron 15-N5040/15-N5050/M5040

Ports and connectors

Audio	<ul style="list-style-type: none">• one microphone-in port• one stereo headphones/speakers port
Mini-Card	one half mini-card slot
HDMI	one 19-pin port
Network adapter	one RJ45 port
USB	three 4-pin USB 2.0 ports
VGA	one 15-hole port

Audio

Controller	
Inspiron 15-N5040/ M5040/15-5050	IDT 92HD87B1
Inspiron 3520	Cirrus Logic C4213D
Speaker	2 x 2 Watt
Internal microphone	single analog microphone
Volume controls	program menus and keyboard media-control keys

Video

Inspiron M5040

Controller	Integrated AMD Radeon HD 6310/AMD Radeon HD 6250
Video memory	64 MB – 384 MB (depending on the system memory)

Inspiron 15-N5040/15-N5050

Controller	Integrated Intel HD graphics
Video memory	system shared memory

Inspiron 3520

Controller	Integrated Intel HD graphics
Video memory	system shared memory

Storage

Interface	SATA1/SATA2
Number of drives	one
Dimension	63.5 mm (2.5 inches)

AC Adapter

Type	65 W
Input voltage	100 VAC-240 VAC
Input current (maximum)	1.50 A/1.60 A/1.70 A
Input frequency	50 Hz-60 Hz
Output current (continuous)	3.34 A
Output power	65 W
Rated output voltage	19.50 +/- 1 VDC
Temperature range	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Media-card reader

Type	one 3-in-1 slot
Cards supported	<ul style="list-style-type: none">Secure-digital (SD) memory cardMemory StickMultiMedia Card (MMC)

Touchpad

X/Y position resolution (graphics table mode)	240 cpi
Size	
Height	46.00 mm (1.81 inches) sensor-active area
Width	90.00 mm (3.54 inches) sensor-active area

Backlit keyboard

Number of keys	<ul style="list-style-type: none">86 (U.S. and Canada)87 (Europe and Brazil)90 (Japan)
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Battery

6-cell "smart" lithium ion	
Height	20.20 mm (0.80 inch)
Width	208.36 mm (8.20 inches)
Depth	56.52 mm (2.23 inches)
Weight	0.33 kg (0.73 lb)
Voltage	11.1 VDC
Charge time (approximate)	4 hours (when the computer is turned off)
Operating time	battery operating time varies depending on operating conditions and may reduce significantly under certain power-intensive conditions
Coin-cell battery	CR-2032

Display

Type	15.0" HD WLED with TrueLife
Maximum resolution	1366 x 768
Dimensions	
Height	193.50 mm (7.62 inches)
Width	344.20 mm (13.55 inches)
Diagonal	396.24 mm (15.60 inches)
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 140 degrees
Horizontal viewing angle	40/40 degrees
Vertical viewing angle	15/30 (H/L)
Pixel pitch	0.23 mm x 0.23 mm
Controls	brightness can be controlled through keyboard shortcuts

Computer environment

Temperature range

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

Relative humidity (maximum)

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

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

Operating	0.66 GRMS
Storage	1.3 GRMS

Maximum shock (Measured with hard drive in operating status and a 2-ms half-sine pulse for operating. Also measured with hard drive in head-parked position and a 2-ms half-sine pulse for storage)

Operating	110 G
Storage	160 G

Altitude (maximum)

Operating	-15.2 m to 3048 m (-50 ft to 10,000 ft)
Storage	-15.2 m to 10,668 m (-50 ft to 35,000 ft)

Airborne contaminant level	G1 as defined by ISA-S71.04-1985
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