

Inspiron 15 5000

Setup and Specifications

Computer Model: Inspiron 5566
Regulatory Model: P51F
Regulatory Type: P51F006



Notes, cautions, and warnings



NOTE: A NOTE indicates important information that helps you make better use of your product.



CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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Set up your computer

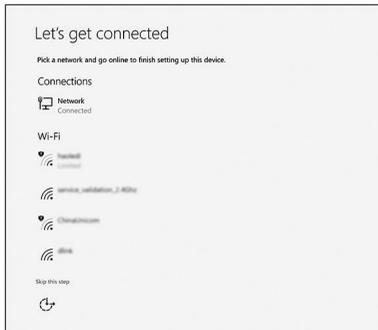
- 1 Connect the power adapter and press the power button.



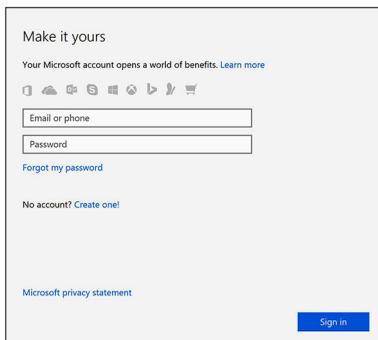
2 Finish operating system setup.

For Windows:

a) Connect to a network.



b) Sign-in to your Microsoft account or create a new account.



For Ubuntu:

Follow the instructions on the screen to finish setup.

3 Locate Dell apps in Windows.

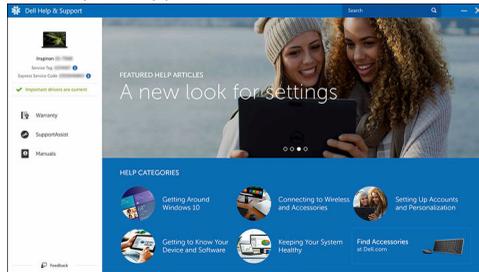
Table 1. Locating Dell apps in Windows



Register your computer



Dell Help & Support



SupportAssist — Check and update your computer



Views

Front



1 Power and battery-status light/hard-drive activity light

Indicates the battery-charge status or the hard-drive activity.

 **NOTE: Press Fn+H to toggle this light between power and battery-status light and hard-drive activity light.**

Hard-drive activity light

Turns on when the computer reads from or writes to the hard drive.

Power and battery-status light

Indicates the power and battery-charge status.

Solid white — Power adapter is connected and the battery has more than 5% charge.

Amber — Computer is running on battery and the battery has less than 5% charge.

Off

- Power adapter is connected and the battery is fully charged.
- Computer is running on battery and the battery has more than 5% charge.
- Computer is in sleep state, hibernation, or turned off.

Left



1 **Power-adaptor port**

Connect a power adaptor to provide power to your computer and charge the battery.

2 **Network port**

Connect an Ethernet (RJ45) cable from a router or a broadband modem for network or internet access.

3 **HDMI port**

Connect a TV or another HDMI-in enabled device. Provides video and audio output.

4 **USB 3.0 port**

Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 5 Gbps.

5 **SD-card slot**

Reads from and writes to the SD card.

Right



1 **Headset port**

Connect a headphone or a headset (headphone and microphone combo).

2 **USB 2.0 ports (2)**

Connect peripherals such as storage devices and printers. Provides data transfer speeds up to 480 Mbps.

3 **Optical drive (optional)**

Reads from and writes to CDs and DVDs.

4 **Security-cable slot**

Connect a security cable to prevent unauthorized movement of your computer.



Base



1 **Left-click area**

Press to left-click.

2 **Touch pad**

Move your finger on the touch pad to move the mouse pointer. Tap to left-click and two finger tap to right-click.

3 **Right-click area**

Press to right-click.

4 **Power button**

Press to turn on the computer if it is turned off, in sleep state, or in hibernate state.

Press to put the computer in sleep state if it is turned on.

Press and hold for 4 seconds to force shut-down the computer.



NOTE: You can customize the power-button behavior in Power Options. For more information, see *Me and My Dell* at www.dell.com/support/manuals.

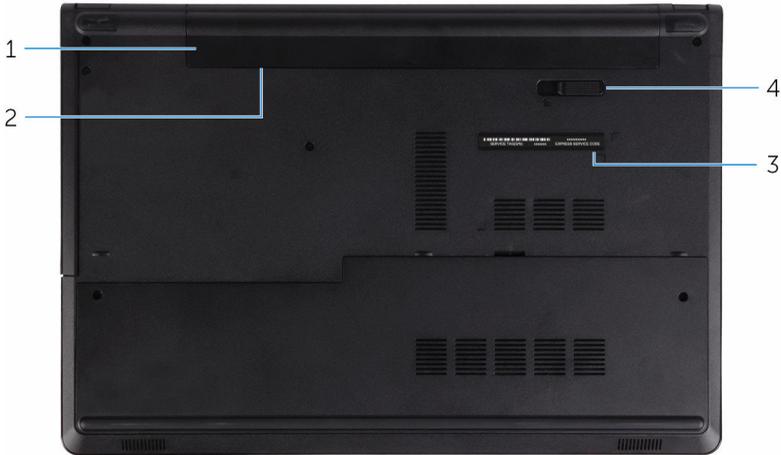
Display



- 1 **Left microphone**
Provides digital sound input for audio recording and voice calls.
- 2 **Camera**
Enables you to video chat, capture photos, and record videos.
- 3 **Camera-status light**
Turns on when the camera is in use.
- 4 **Right microphone**
Provides digital sound input for audio recording and voice calls.



Back



1 **Battery**

Supplies power to the computer. It enables the computer to work without connecting to an electrical outlet for a limited time.

2 **Regulatory label (in battery bay)**

Contains regulatory information of your computer.

3 **Service Tag label**

The Service Tag is a unique alphanumeric identifier that enables Dell service technicians to identify the hardware components in your computer and access warranty information.

4 **Battery-release latch**

Lock/unlock the battery in the battery bay. Slide the latch to the unlock position, to release the battery.

Specifications

Dimensions and weight

Table 2. Dimensions and weight specifications

Height	23.75 mm (0.94 in)
Width	380 mm (14.96 in)
Depth	260.40 mm (10.25 in)
Weight (maximum)	2.32 kg (5.11 lb)



NOTE: The weight of your computer varies depending on the configuration ordered and the manufacturing variability.

System information

Table 3. System information specifications

Computer model	Inspiron 5566
Processor	<ul style="list-style-type: none">• 6th generation Intel Core i3• 7th generation Intel Core i3/i5/i7
Chipset	Integrated in the processor

Memory

Table 4. Memory specifications

Slots	Two SODIMM slots
Type	Dual-channel DDR4
Speed	2133 MHz
Configurations supported	2 GB, 4 GB, 6 GB, and 8 GB



Ports and connectors

Table 5. Ports and connectors specifications

External:

Network	One RJ45 port
USB	<ul style="list-style-type: none">• Two USB 2.0 ports• One USB 3.0 port
Audio/Video	<ul style="list-style-type: none">• One HDMI port• One headset port (headphone and microphone combo)

Internal:

M.2	One M.2 slot for Wi-Fi and Bluetooth combo card
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Communications

Table 6. Communication specifications

Ethernet	10/100 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none">• Wi-Fi 802.11ac• Wi-Fi 802.11b/g/n• Up to Bluetooth 4.2• Wi-Fi Display Support (Wi-Fi Alliance)• Miracast



Audio

Table 7. Audio specifications

Controller	Realtek ALC3246 with Waves MaxxAudio
Speakers	Two
Speaker output	<ul style="list-style-type: none">• Average – 2 W• Peak – 2.2 W
Microphone	Digital-array microphones
Volume controls	Media-control shortcut keys

Storage

Table 8. Storage specifications

Interface	SATA 6 Gbps
Hard drive	One 2.5-inch drive (supports Intel Smart Response Technology)
Optical drive (optional)	One 9.5 mm DVD+/-RW drive

Media-card reader

Table 9. Media-card reader specifications

Type	One SD-card slot
Cards supported	SD card



Keyboard

Table 10. Keyboard specifications

Type	Standard keyboard
Shortcut keys	Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key.



NOTE: You can define the primary behavior of the function keys (F1–F12) by changing Function Key Behavior in BIOS setup program.

[Keyboard shortcuts](#)

Camera

Table 11. Camera specifications

Resolution	<ul style="list-style-type: none">• Still image: 0.92 megapixel• Video: 1280 x 720 (HD) at 30 fps
Diagonal viewing angle	74 degrees

Touch pad

Table 12. Touch pad specifications

Resolution	<ul style="list-style-type: none">• Horizontal: 1211 DPI• Vertical: 1267 DPI
Dimensions	<ul style="list-style-type: none">• Height: 80 mm (3.15 in)• Width: 105 mm (4.13 in)



Power adapter

Table 13. Power adapter specifications

Type	45 W
Input current (maximum)	1.30 A
Output current (continuous)	2.31 A
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Rated output voltage	19.50 VDC
Temperature range: Operating	0°C to 40°C (32°F to 104°F)
Temperature range: Storage	–40°C to 70°C (–40°F to 158°F)

Battery

Table 14. Battery specifications

Type	4-cell “smart” lithium-ion (40 WHr)
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Life span (approximate)	300 discharge/charge cycles
Temperature range: Operating	0°C to 35°C (32°F to 95°F)
Temperature range: Storage	–40°C to 65°C (–40°F to 149°F)
Coin-cell battery	CR-2032

Dimensions:

Width	270 mm (10.63 in)
Depth	37.50 mm (1.47 in)
Height	20 mm (0.78 in)
Weight (maximum)	0.25 kg (0.56 lb)
Voltage	14.8 VDC



Display

Table 15. Display specifications

Type	<ul style="list-style-type: none">• 15.6-inch HD touch screen• 15.6-inch HD non-touch screen
Resolution (maximum)	1366 x 768
Pixel pitch	0.252 mm
Refresh rate	60 Hz
Operating angle	0 degree (closed) to 135 degrees
Controls	Brightness can be controlled using shortcut keys

Dimensions:

Height (excluding bezel)	193.5 mm (7.62 in)
Width (excluding bezel)	344.2 mm (13.55 in)
Diagonal (excluding bezel)	394.86 mm (15.54 in)

Video

Table 16. Video specifications

	Integrated
Controller	<ul style="list-style-type: none">• Intel HD Graphics 520 for computers with 6th generation Intel Core i3 Processor• Intel HD Graphics 620 for computers with 7th generation Intel Core i3/i5/i7 Processor
Memory	Shared system memory



Computer environment

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

Table 17. Computer specifications

	Operating	Storage
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G [†]	160 G [‡]
Altitude (maximum)	-15.2 m to 3048 m (-50 ft to 10,000 ft)	-15.2 m to 10,668 m (-50 ft to 35,000 ft)

* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse when the hard drive is in use.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.



Keyboard shortcuts

Table 18. Keyboard shortcuts

Keys	Description
	Mute audio
	Decrease volume
	Increase volume
	Play previous track/chapter
	Play/Pause
	Play next track/chapter
	Switch to external display
	Search
	Toggle keyboard backlight (optional)
	Decrease brightness
	Increase brightness
 + 	Toggle Fn-key lock
 + 	Turn off/on wireless

Keys	Description
 + 	Sleep
 + 	Toggle between power and battery-status light/hard-drive activity light



Getting help and contacting Dell

Self-help resources

You can get information and help on Dell products and services using these self-help resources:

Table 19. Self-help resources

Information about Dell products and services

www.dell.com

Dell Help & Support app



Get started app



Accessing help

In Windows search, type `Help` and `Support`, and press Enter.

Online help for operating system

www.dell.com/support/windows

www.dell.com/support/linux

Troubleshooting information, user manuals, setup instructions, product specifications, technical help blogs, drivers, software updates, and so on.

www.dell.com/support

Learn about your operating system, setting up and using your computer, data backup, diagnostics, and so on.

See *Me and My Dell* at www.dell.com/support/manuals.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.



NOTE: Availability varies by country and product, and some services may not be available in your country.



NOTE: If you do not have an active internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

