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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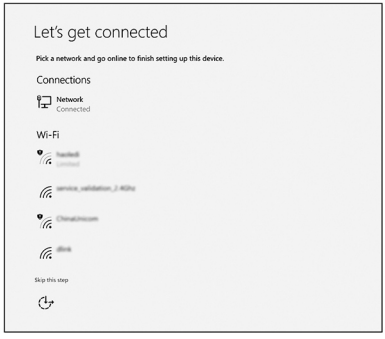
Set up your computer

1 Connect the power adapter and press the power button.

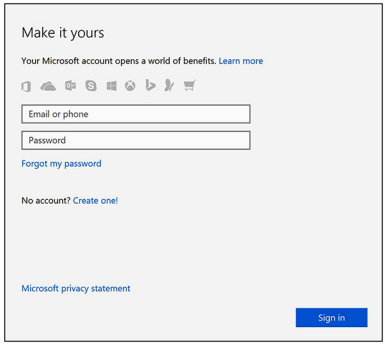
2 Finish operating system setup.

For Windows:

a) Connect to a network.



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



For Ubuntu:

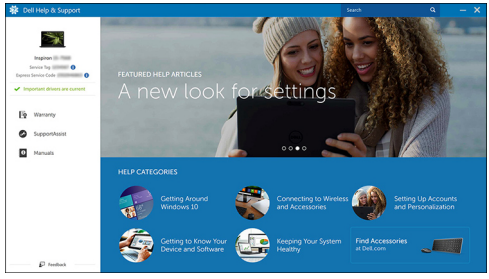
Follow the instructions on the screen to finish setup.

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 between the 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.

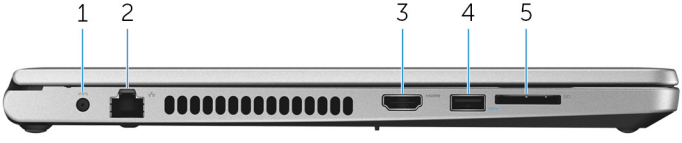
Solid white — Power adapter is connected and the battery has more than 5% charge.

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-adapter port**

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

4 **USB 3.0 port**

Connect peripherals such as external 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 headphones or a headset (headphone and microphone combo).

2 **USB 2.0 ports (2)**

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

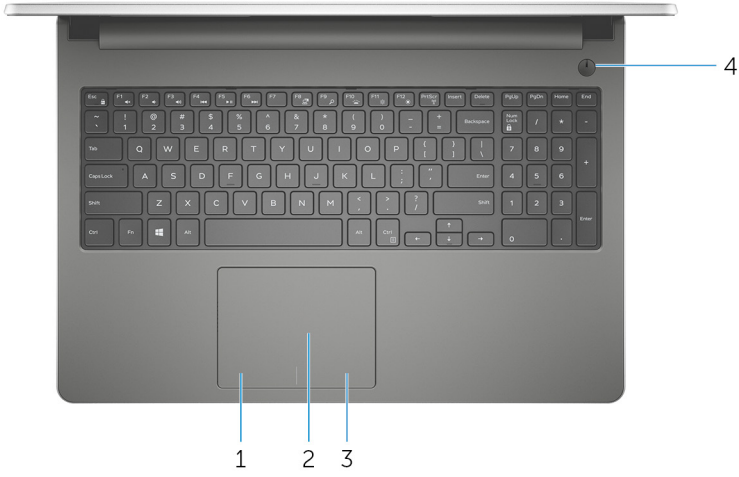
3 **Optical drive (optional)**

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 **Touchpad**

Move your finger on the touchpad 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.

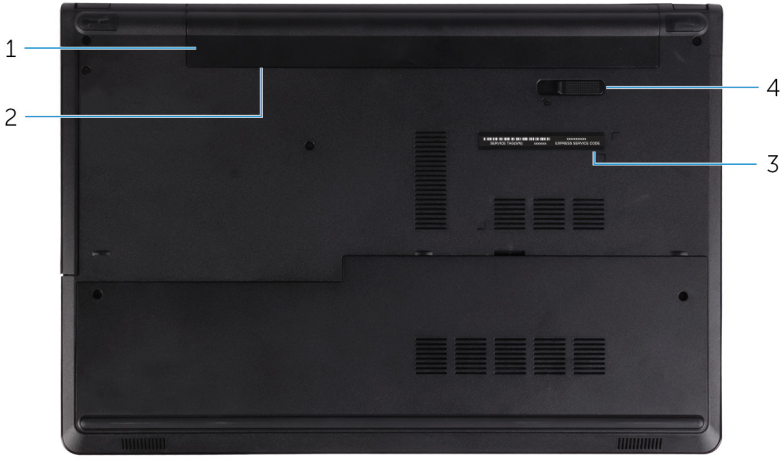
3 **Camera-status light**

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

Computer model

Table 2. Computer model number

Computer model	Inspiron 5566

Dimensions and weight

Table 3. 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.

Processors

Table 4. Processors

Processors	6th Generation Intel Core i3	7th Generation Intel Core i3	7th Generation Intel Core i5	7th Generation Intel Core i7
Wattage	15 W	15 W	15 W	15 W
Core count	2	2	2	2
Thread count	4	4	4	4
Speed	Up to 2.4 GHz	Up to 2.4 GHz	Up to 3.1 GHz	Up to 3.5 GHz
Cache	3 MB	3 MB	3 MB	4 MB

Integrated graphics	Supported	Supported	Supported	Supported

Memory

Table 5. Memory specifications

Slots	Two SODIMM slots
Type	Dual-channel DDR4
Speed	2133 MHz
Maximum memory	8 GB
Minimum memory	4 GB
Memory per slot	2 GB, 4 GB, and 8 GB
Configurations supported	• 4 GB DDR4 at 2133 MHz (4 GB x 1) • 6 GB DDR4 at 2133 MHz (4 GB + 2 GB) • 8 GB DDR4 at 2133 MHz (4 GB + 4 GB or 8 GB x 1)

Ports and connectors

Table 6. Ports and connectors specifications

External:	
Network	One RJ45 port
USB	• Two USB 2.0 ports • One USB 3.0 port
Audio/Video	• One HDMI port • One headset port (headphone and microphone combo)
Internal:	

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

Communications

Table 7. Communication specifications

Ethernet controller	RTL8106E
Transfer rate	10/100 Mbps

Wireless module

Table 8. Wireless module specifications

Model number	QCA9377, DW1707	QCA9565, DW1810	Intel Dual Band Wireless. AC3165
Transfer rate	Up to 150 Mbps	Up to 433 Mbps	Up to 433 Mbps
Frequency bands supported	2.4 GHz	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	Wi-Fi 802.11b/g/n	Wi-Fi 802.11a/b/g/n/ac	Wi-Fi 802.11a/b/g/n/ac
Encryption	• 64-bit and 128-bit WEP • CKIP • TKIP • AES-CCMP	• 64-bit and 128-bit WEP • CKIP • TKIP • AES-CCMP	• 64-bit and 128-bit WEP • CKIP • TKIP • AES-CCMP
Bluetooth	Bluetooth 4.0	Bluetooth 4.2	Bluetooth 4.2

Audio

Table 9. Audio specifications

Controller	Realtek ALC3246 with Waves MaxxAudio
Speakers	Two

Speaker output	• Average – 2 W • Peak – 2.2 W
Microphone	Digital-array microphones
Volume controls	Media-control shortcut keys

Storage

Table 10. Storage specifications

Storage type	Interface type	Capacity
2.5-inch hard-disk drive	SATA AHCI, up to 6 Gbps	Up to 2 TB
2.5-inch solid-state drive	SATA AHCI, up to 6 Gbps	Up to 512 GB

Media-card reader

Table 11. Media-card reader specifications

Type	One SD-card slot
Cards supported	SD card

Keyboard

Table 12. 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 13. Camera specifications

Resolution	• Still image: 0.92 megapixel • Video: 1280 x 720 (HD) at 30 fps
Diagonal viewing angle	74 degrees

Touch pad

Table 14. Touch pad specifications

Resolution	• Horizontal: 1211 DPI • Vertical: 1267 DPI
Dimensions	• Height: 80 mm (3.15 in) • Width: 105 mm (4.13 in)

Power adapter

Table 15. 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 16. 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 17. Display specifications

Type	• 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 18. Video specifications

Controller	Integrated • 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 19. 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‡

	Operating	Storage
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

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol shown on the upper part of the key is typed out. For example, if you press **2**, 2 is typed out; if you press **Shift** + **2**, @ is typed out.

The keys F1-F12 at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (refer to the table below).

However, if the function keys F1-F12 are needed for specific software applications, multi-media functionality can be disabled by pressing **Fn** + **Esc**. Subsequently, multi-media control can be invoked by pressing **Fn** and the respective function key. For example, mute audio by pressing **Fn** + **F1**.

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

Table 20. List of keyboard shortcuts

Function key	Re-defined key (for multi-media control)	Behavior
		Mute audio
		Decrease volume
		Increase volume
		Play previous track/ chapter

Function key	Re-defined key (for multi-media control)	Behavior
		Play/Pause
		Play next track/chapter
		Switch to external display
		Search
		Toggle keyboard backlight (optional)
		Decrease brightness
		Increase brightness

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

Function key	Behavior
	Turn off/on wireless
	Pause/Break
	Sleep
	Toggle scroll lock
	Toggle between power and battery-status light/hard-drive activity light
	System request
	Open application menu

Function key	Behavior
	Toggle Fn-key lock
	Page up
	Page down
	Home
	End

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 21. Self-help resources

Information about Dell products and services	www.dell.com
Dell Help & Support app	
Tips	
Contact Support	In Windows search, type `Contact 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
Dell knowledge base articles for a variety of computer concerns.	1 Go to www.dell.com/support. 2 Type the subject or keyword in the **Search** box. 3 Click **Search** to retrieve the related articles.
Learn and know the following information about your product: • Product specifications • Operating system	See *Me and My Dell* at www.dell.com/support/manuals.

- Setting up and using your product
- Data backup
- Troubleshooting and diagnostics
- Factory and system restore
- BIOS information

To locate the *Me and My Dell* relevant to your product, identify your product through one of the following:

- Select **Detect Product**.
- Locate your product through the drop-down menu under **View Products**.
- Enter the **Service Tag number** or **Product ID** in the search bar.

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.