

Inspiron 17

7000 Series 2-in-1

Setup and Specifications

Computer Model: Inspiron 17-7778
Regulatory Model: P30E
Regulatory Type: P30E001



Notes, cautions, and warnings



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



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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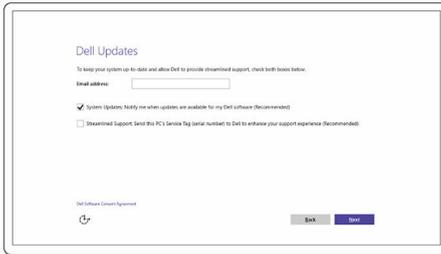
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Set up your computer

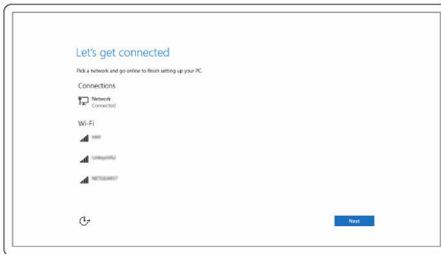
- 1 Connect the power adapter and press the power button.



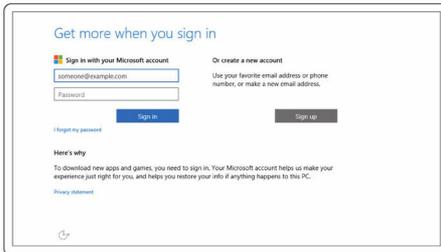
- 2 Follow the instructions on the screen to finish Windows setup:
- a) Enable security and Dell updates.



- b) Connect to a wireless network.



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



3 Explore Dell resources on your desktop.



Register your computer

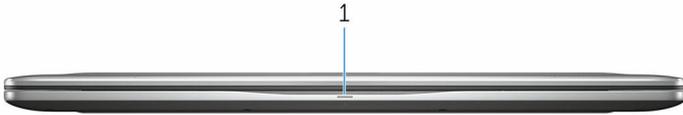
Dell Help & Support



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 adapter to provide power to your computer and charge the battery.

2 **USB Type-C port**

Connect peripherals such as external storage devices, printers, external displays, and so on. Provides data transfer speeds up to 5 Gbps.

Supports Power Delivery that allows two-way power supply between devices. Provides up to 15 W power output that enables faster charging.



NOTE: Adapters (sold separately) are required to connect standard USB and DisplayPort devices.

3 **HDMI port**

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

4 **USB 3.0 port with PowerShare**

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

PowerShare allows you to charge your USB devices even when your computer is turned off.



NOTE: If your computer is powered off or in hibernate state, you must connect the power adapter to charge your devices using the PowerShare port. You must enable this feature in the BIOS setup program.



NOTE: Certain USB devices may not charge when the computer is powered off or in sleep state. In such cases, turn on the computer to charge the device.

5 **Headset port**

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

Right



1 **Power button**

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

2 **Volume-control buttons**

Press to increase or decrease the volume.

3 **Media-card reader**

Reads from and writes to media cards.

4 **USB 2.0 port**

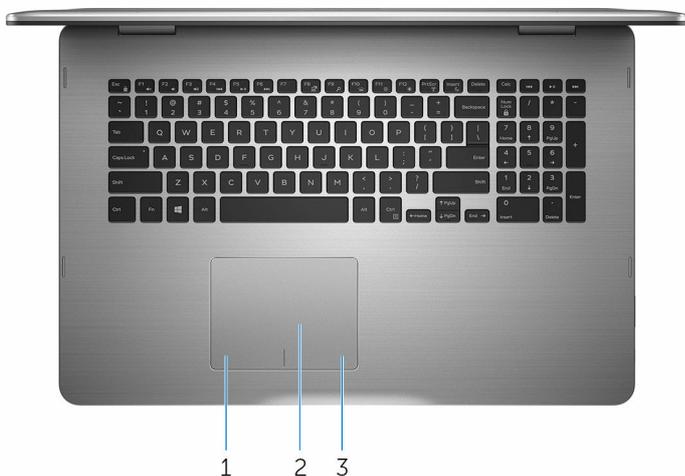
Connect peripherals such as storage devices, printers, and so on.

Provides data transfer speeds up to 480 Mbps.

5 **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.

Display



1 **Left microphone**

Provides digital sound input for audio recording, voice calls, and so on.

2 **Infrared emitter**

Emits infrared light that enables infrared camera to sense depth and track motion.

3 **Infrared camera**

Allows you to video chat, capture photos, and record videos. Depth-sensing feature of the camera enhances security when paired with Windows Hello.

4 **Camera-status light**

Turns on when the camera is in use.

5 **Right microphone**

Provides digital sound input for audio recording, voice calls, and so on.

6 Service tag location

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

Modes

Notebook



Tablet



Stand



Tent



Specifications

Dimensions and weight

Height	22.10 mm (0.87 in)
Width	412.50 mm (16.24 in)
Depth	277.50 mm (10.92 in)
Weight	2.94 kg (6.49 lb)



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

System information

Computer model	Inspiron 17-7778
Processor	<ul style="list-style-type: none">• 6th Generation Intel Core i5• 6th Generation Intel Core i7
Chipset	Integrated in processor

Memory

Slots	Two SODIMM slots
Type	Dual-channel DDR4
Speed	2133 MHz
Configurations supported	4 GB, 8 GB, 12 GB, and 16 GB

Ports and connectors

External:

USB

- One USB Type-C port
- One USB 3.0 port with PowerShare
- One USB 2.0 port

Audio/Video

- One HDMI port
- One headset (headphone and microphone combo) port

Internal:

M.2 Card

One M.2 slot for SSD card

Communications

Wireless

- Wi-Fi 802.11 ac
- Bluetooth 4.0
- Miracast
- Intel WiDi

Video

	Integrated	Discrete
Controller	Intel HD Graphics 520	NVIDIA GeForce 940M
Memory	Shared system memory	<ul style="list-style-type: none">• 2 GB DDR5• 4 GB DDR5

Audio

Controller	Realtek ALC3234CG with Waves MaxxAudio Pro
Speakers	Two
Output	<ul style="list-style-type: none">• Average – 2 W• Peak – 2.5 W
Microphone	Digital-array microphones in camera assembly
Volume controls	Media-control shortcut keys and volume-control buttons

Storage

Interface	SATA 6 Gbps
Solid-state drive	<ul style="list-style-type: none">• M.2 drive• 2.5-inch drive
Hard drive	One 2.5-inch drive

Media-card reader

Type	One SD card slot
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Keyboard

Type	Backlit 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

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

Resolution	<ul style="list-style-type: none">• Horizontal: 1260• Vertical: 960
Dimensions	<ul style="list-style-type: none">• Height: 80 mm (3.15 in)• Width: 105 mm (4.13 in)

Power adapter

Type	65 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	1.60 A/1.70 A
Output current (continuous)	3.34 A
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)

Display

Type	17.3-inch FHD touch screen
Resolution (maximum)	1920 x 1080
Pixel pitch	0.1989 mm
Refresh rate	60 Hz
Operating angle	0 degrees (closed) to 360 degrees
Controls	Brightness can be controlled using shortcut keys
Height	252.50 mm (9.94 in)
Width	400 mm (15.75 in)
Diagonal	439.42 mm (17.30 in)

Battery

Type	<ul style="list-style-type: none">• 3-cell 42 WHr smart lithium ion• 4-cell 56 WHr smart lithium ion
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

	3 cell	4 cell
Weight (maximum)	0.20 kg (0.44 lb)	0.25 kg (0.55 lb)
Voltage	11.40 VDC	15.20 VDC
Width	97.15 mm (3.82 in)	98.20 mm (3.87 in)
Depth	184.15 mm (7.25 in)	233.37 mm (9.19 in)

Height

5.90 mm (0.23 in)

5.90 mm (0.23 in)

Computer environment

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

	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)	–15.20 m to 3048 m (–50 ft to 10,000 ft)	–15.20 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

Icons	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
	Decrease brightness
	Increase brightness
	Turn off/on wireless
	Toggle scroll lock
	Toggle Fn-key lock
	Pause/Break
	Sleep

Icons	Description
	System request
	Open application menu
	Toggle between power and battery-status light/hard-drive activity light
	Home
	End
	Page up
	Page down

Getting help and contacting Dell

Self-help resources

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

Information about Dell products and services www.dell.com

Windows 8.1 and Windows 10

Dell Help & Support app



Windows 10

Get started app



Windows 8.1

Help + Tips app



Accessing help in Windows 8, Windows 8.1, and Windows 10

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

Accessing help in Windows 7

Click **Start** → **Help and Support**.

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.