DELL INSPIRON 3647

Views

Specifications

NOTE: The images in this document may differ from your computer depending on the configuration you ordered.

Views

Front

Front

Back

Back panel

Hard-drive activity light

Power button

Front I/O-panel door (open)

Media-card reader

Headphone port

Optical-drive cover

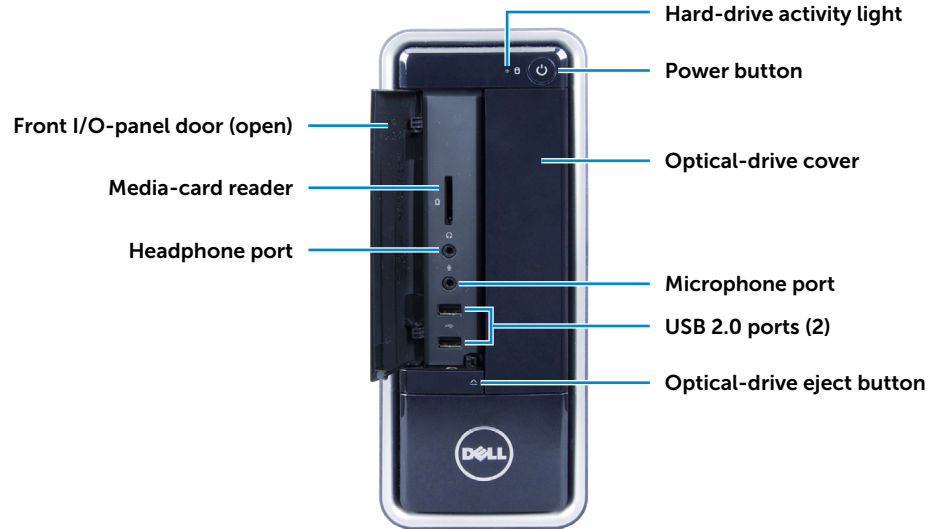Microphone port

USB 2.0 ports (2)

Optical-drive eject button

Front I/O-panel door (open)

Covers the Front I/O-panel.

Media-card reader

Reads from and writes to media cards.

Headphone port

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

Hard-drive activity light

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

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 10 seconds to force shut-down the computer.

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

Optical-drive cover

Covers the optical drives.

Microphone port

Connect an external microphone to provide sound input.

USB 2.0 ports (2)

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

Optical-drive eject button

Press to open or close the optical drive tray.

Views

Back

Front

Back

Back panel

Expansion-card slots

Back panel

Security-cable slot

Power cable port

Power supply light

Security-cable slot

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

Power cable port

Connect a power cable to provide power to your computer.

Power supply light

Indicates power availability of the power supply.

Expansion-card slots

Provide access to connectors on any installed PCI Express cards.

Back panel

Connect USB, audio, video, and other devices.

Views

Back panel

Line-in port

Line-out port

Microphone port

VGA port

HDMI-out port

USB 3.0 ports (2)

USB 2.0 ports (4)

Network port

inspiron · 3647
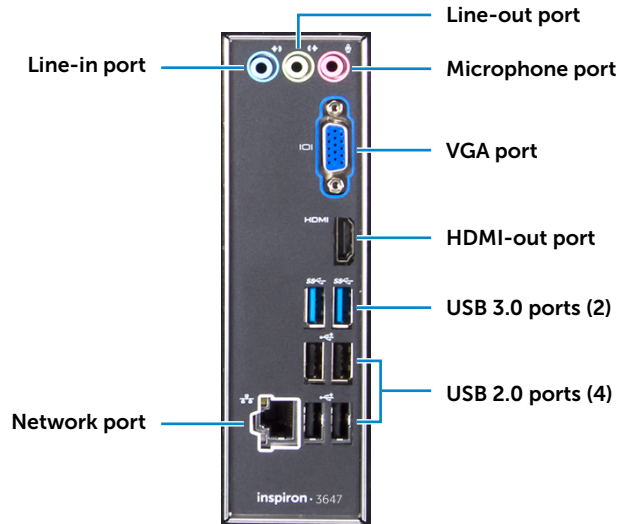
Line-in port

Connect recording or playback devices such as a microphone or CD player.

Network port

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

The two lights next to the connector indicate the connectivity status and network activity.

Line-out port

Connect speakers.

Microphone port

Connect an external microphone to provide sound input.

VGA port

Connect an external display or a projector.

HDMI-out port

Connect to HDMI-out enabled devices. Provides video and audio output.

USB 3.0 ports (2)

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

USB 2.0 ports (4)

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

Specifications

Dimensions and Weight

Height	10.7 in (271 mm)
Width	3.9 in (100 mm)
Depth	14.8 in (376 mm)
Weight (maximum)	13.22 lb (6.0 kg)
	NOTE: The weight of your desktop varies depending on the configuration ordered and the manufacturing variability.

Dimensions and Weight

System Information

Memory

Ports and Connectors

Communications

Video

Audio

Storage

Media-card reader

Power Ratings

Computer Environment

Specifications

System Information

Computer model	Inspiron 3647
Processor	• Intel Core i3 (4th Generation) • Intel Core i5 (4th Generation) • Intel Core i7 (4th Generation) • Intel Celeron • Intel Pentium
L3 cache	2 MB, 3 MB, 4 MB, 6 MB, or 8 MB
Chipset	Intel H81 PCH

Dimensions and Weight | System Information | Memory | Ports and Connectors | Communications | Video | Audio | Storage

Media-card reader | Power Ratings | Computer Environment

Specifications

Memory

Connector	Two internally-accessible DDR3 DIMM sockets
Type	DDR3
Speed	1600 MHz
Configurations supported	2 GB, 4 GB, and 8 GB

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Ports and Connectors

Network	One RJ45 port
USB	• Six USB 2.0 port • Two USB 3.0 ports
HDMI	One HDMI-out port
Audio	• One headphone port • Two microphone ports • One line-out port • One line-in port
Video	• One 15-hole VGA port • One 19-pin HDMI port
Media Card Reader	One 8-in-1 card slot

Dimensions and Weight System Information Memory Ports and Connectors Communications Video Audio Storage

Media-card reader Power Ratings Computer Environment

Specifications

Communications

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	Dell Wireless-N 1705 and Bluetooth 4.0

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Video

Controller:	
Integrated	• Intel HD Graphics • Intel HD Graphics 4400/4600
Discrete	• NVIDIA GeForce GT 625 • NVIDIA GeForce GT 635
Memory:	
Integrated	64 MB-256 MB
Discrete	1024 MB

Dimensions and Weight

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Audio

Controller	Realtek Audio Codec ALC3600-CG
Type	Integrated 5.1 channel, Intel High Definition Audio

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Externally accessible	One 5.25-inch drive bay for a Blu-ray Disc combo (optional), Blu-ray Disc writer (optional), or DVD+/-RW
Internally accessible	One 3.5-inch drive bay for SATA hard drives (includes hybrid)

Dimensions and Weight

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Media-card reader

Type	One 8-in-1 slot
Cards supported	• Secure Digital (SD) • SD Extended Capacity Card (SDXC) • Hi Capacity SD (SDHC) • Memory Stick (MS) • Memory Stick PRO (MS PRO) • Multimedia Card (MMC) • Multimedia Card Plus (MMC+) • xD-Picture Card (XD)

Dimensions and Weight

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Power Ratings

Type	220 W
Input voltage	• 100 VAC–127 VAC • 200 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum)	6 A/3 A

Dimensions and Weight

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Computer Environment

	Operating	Storage
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985	
Relative humidity (maximum)	20% to 80% (noncondensing)	
Temperature range	10 °C to 35 °C (50 °F to 95 °F)	−10 °C to 45 °C (−14 °F to 113 °F)
Vibration (maximum)*	0.25 GRMS	2.20 GRMS
Shock (maximum)†	40 G for 2 ms with a change in velocity of 20 in/s (51 cm/s)	50 G for 26 ms with a change in velocity of 320 in/s (813 cm/s)
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 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.

Dimensions and Weight   System Information   Memory   Ports and Connectors   Communications   Video   Audio   Storage

Media-card reader   Power Ratings   Computer Environment