



Inspiron 3646

3000 Series



[Views](#)

[Specifications](#)

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2014 - 04 Rev. A00

Regulatory model: D10S | Type: D10S001

Computer model: Inspiron 3646

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



Front

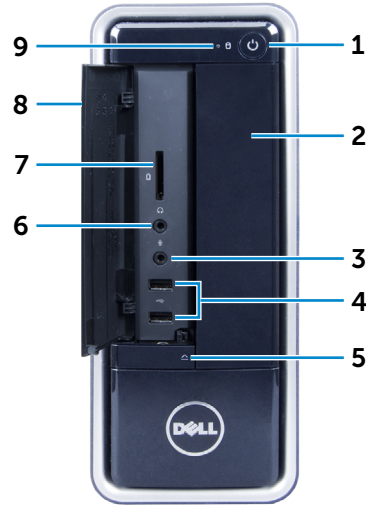


Back



Back panel

Front



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 behaviour in Power Options. For more information, see *Me and My Dell* at dell.com/support.

2 Optical drive

Reads from and writes to CDs and DVDs.

3 Microphone port

Connect an external microphone to provide sound input.

4 USB 2.0 ports (2)

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

5 Optical-drive eject button

Press to open or close the optical-drive tray.

6 Headphone port

Connect a headphone or speakers.

7 Media-card reader

Reads from and writes to media cards.

8 Front I/O-panel door (open)

Covers the Front I/O-panel.

9 Hard-drive activity light

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



Back



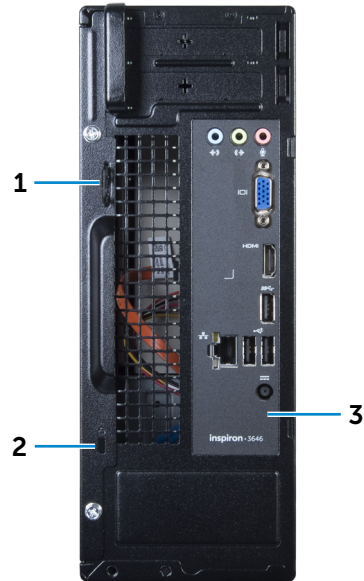
Front



Back



Back panel



1 Padlock rings

Attach a standard padlock to prevent unauthorized access to the interior of your computer.

2 Security-cable slot

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

3 Back panel

Connect USB, audio, video, and other devices.



Front

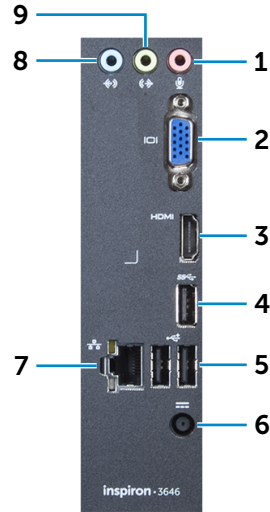


Back



Back panel

Back panel



1 Microphone port

Connect an external microphone to provide sound input.

2 VGA port

Connect an external display or a projector.

3 HDMI-out port

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

4 USB 3.0 port

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

5 USB 2.0 ports (2)

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

6 Power-adaptor port

Connect a power adapter to provide power to your computer.

7 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.

8 Line-in port

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

9 Line-out port

Connect speakers.

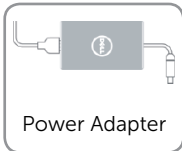
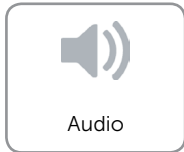
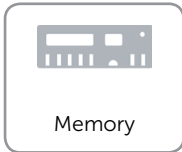
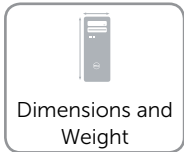


Specifications

Dimensions and Weight

Height	10.50 in (266.70 mm)
Width	4 in (101.60 mm)
Depth	15 in (381 mm)
Weight (maximum)	8.80 lbs (4 kg)

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






Specifications

System Information


Computer model	Inspiron 3646
Processor	<ul style="list-style-type: none">• Intel Celeron Dual Core• Intel Pentium Quad Core
Chipset	Integrated in processor



Dimensions and Weight



System Information



Memory




Ports and Connectors




Communications



Video




Audio




Storage



Media-Card Reader



Power Adapter



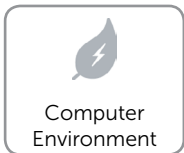
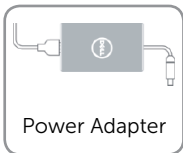
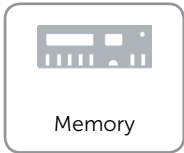
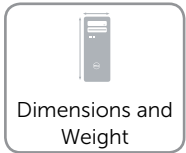
Computer Environment



Specifications

Memory

Connector	One internally-accessible DDR3 SODIMM socket
Type	DDR3L
Speed	1333 MHz
Configurations supported	2 GB, 4 GB, and 8 GB





Specifications

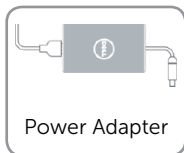
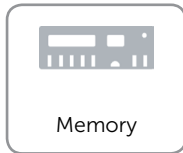
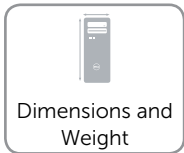
Ports and Connectors

External:

Network	One RJ45 port
USB	<ul style="list-style-type: none">• Four USB 2.0 ports• One USB 3.0 port
Audio	<ul style="list-style-type: none">• One headphone port• Two microphone ports• One line-out port• One line-in port
Video	<ul style="list-style-type: none">• One VGA port• One HDMI port
Media-card reader	One 8-in-1 card slot

Internal:

Half mini-card	One half mini-card slot for WLAN and Bluetooth combo card
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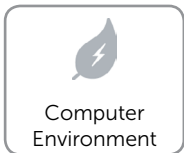
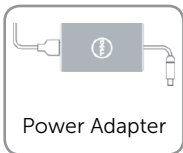
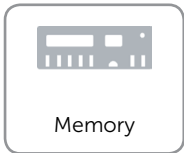
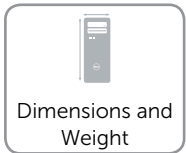




Specifications

Communications

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	<ul style="list-style-type: none">• Wi-Fi 802.11 b/g/n• Bluetooth 4.0





Specifications


Video

Controller:

Integrated	Intel HD Graphics
Discrete	NVIDIA GeForce 820M

Memory:


Integrated	64 MB–256 MB
Discrete	1024 MB



Dimensions and Weight



System Information



Memory




Ports and Connectors



Communications



Video




Audio




Storage



Media-Card Reader



Power Adapter



Computer Environment




Specifications

Audio

Controller
Type


Realtek Audio Codec ALC3600-CG with Waves MaxxAudio
Integrated 5.1 channel, Intel High Definition Audio



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video




Audio




Storage



Media-Card Reader



Power Adapter



Computer Environment



Specifications

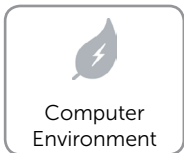
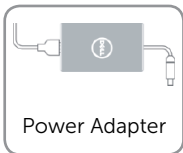
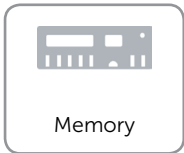
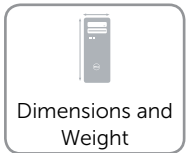
Storage

Externally accessible

One 5.25-inch drive bay for DVD+/-RW

Internally accessible

One 3.5-inch drive bay for SATA hard drives






Specifications

Media-Card Reader


Type	One 8-in-1 slot
Cards supported	<ul style="list-style-type: none">• Secure Digital (SD)• SD Extended Capacity (SDXC)• High 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



System Information



Memory




Ports and Connectors



Communications



Video




Audio




Storage



Media-Card Reader



Power Adapter



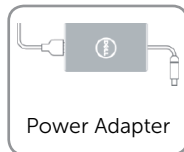
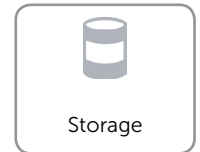
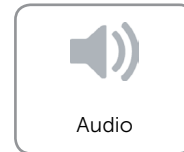
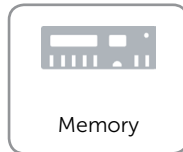
Computer Environment



Specifications

Power Adapter

Type	<ul style="list-style-type: none">65 W90 W (only for computers with NVIDIA GeForce 820M graphics card)
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current (maximum):	
65 W	1.5 A
90 W	1.6 A
Output current:	
65 W	3.34 A
90 W	4.62 A
Rated output voltage	19.50 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)





Specifications

Computer Environment

Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985	
Relative humidity (maximum)	20% to 80% (noncondensing)	
	Operating	Storage
Temperature range	10°C to 35°C (50°C to 95°F)	-40°C to 65°C (-40°F to 149°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)	-15.24 m to 3048 m (-50 ft to 10,000 ft)	-15.24 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.

