



Inspiron 17

7000 Series

Dell - Internal Use - Confidential



Views

Specifications

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2014 - 11 Rev. A00

Regulatory model: P24E | Type: P24E002

Computer model: Inspiron 7746

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



Front



Left



Right



Base



Display

Front



1 Battery-status light

Indicates the battery-charge status of the computer.

White light — Power adapter is connected and the battery is being charged.

Solid yellow light — Battery charge is low or critical.

Blinking yellow light — Battery charge is critical.

2 Hard-drive activity light

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



Front



Left



Right

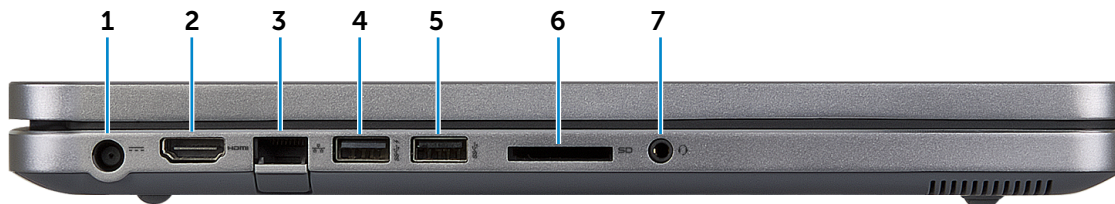


Base



Display

Left



1 Power-adapter port

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

2 HDMI port

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

3 Network port

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

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.

5 USB 3.0 port

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

6 Media-card reader

Reads from and writes to media cards.

7 Headset port

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



Front



Left



Right



Base



Display

Right



1 USB 2.0 ports (2)

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

2 Optical drive

Reads from and writes to CDs and DVDs.

3 Security-cable slot

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



Front



Left



Right

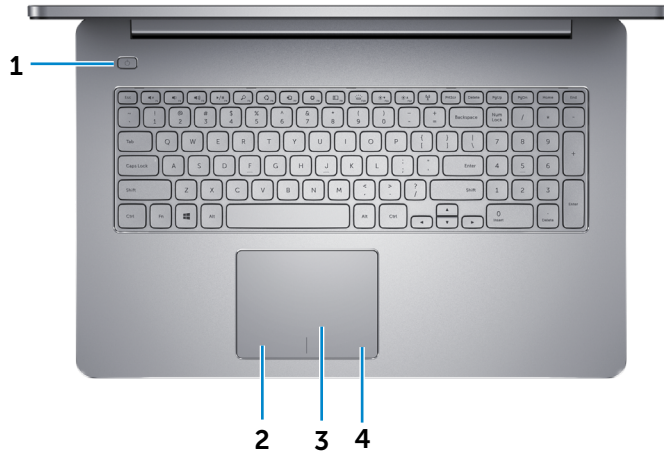


Base



Display

Base



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 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.

2 Left-click area

Press to left click.

3 Touchpad

Move your finger on the touchpad to move the mouse pointer. Tap to left-click.

4 Right-click area

Press to right click.



Front



Left



Right

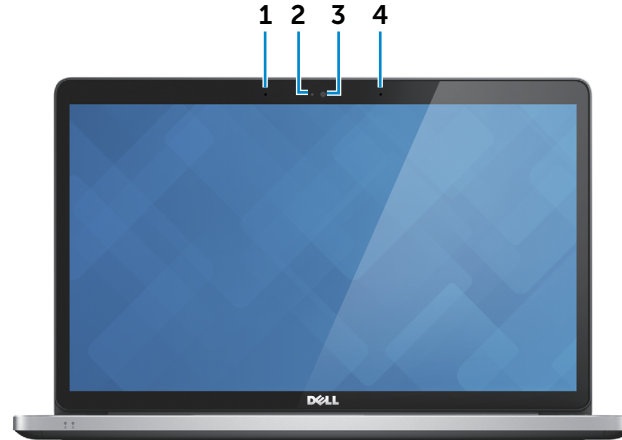


Base



Display

Display



1 Left microphone

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

2 Camera-status light

Turns on when the camera is in use.

3 Camera

Allows you to video chat, capture photos, and record videos.

4 Right microphone

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

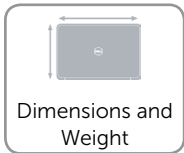


Specifications

Dimensions and Weight

Height	27.70 mm (1.10 in)
Width	412.40 mm (16.24 in)
Depth	269.40 mm (10.61 in)
Weight (maximum)	3.29 kg (7.25 lb)

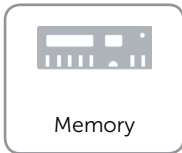
NOTE: The weight of your laptop varies depending on the configuration ordered and the manufacturing variability.



Dimensions and Weight



System Information



Memory



Ports and Connectors



Communications



Video



Audio



Storage



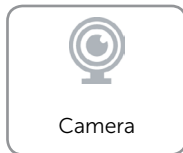
Media-Card Reader



Display



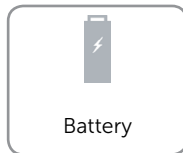
Keyboard



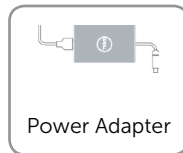
Camera



Touchpad



Battery



Power Adapter



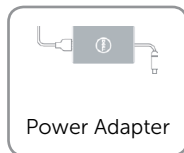
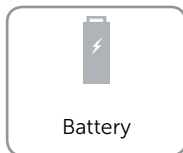
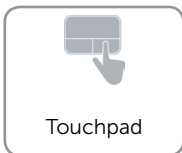
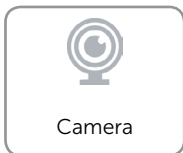
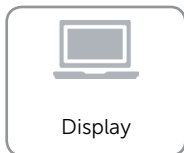
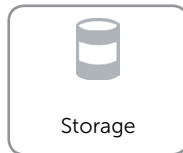
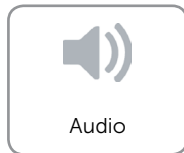
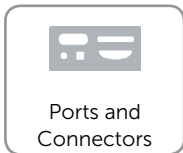
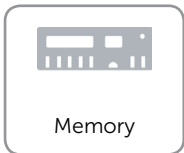
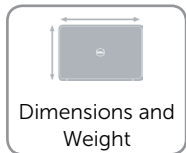
Computer Environment



Specifications

System Information

Computer model	Inspiron 7746
Processor	<ul style="list-style-type: none">5th Generation Intel Core i55th Generation Intel Core i7
L3 cache	Up to 4 MB
Chipset	Integrated in processor

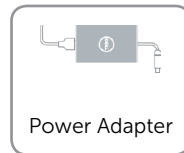
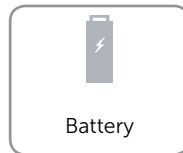
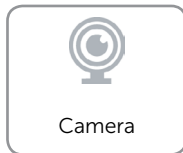
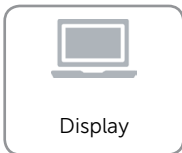
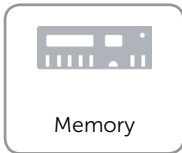
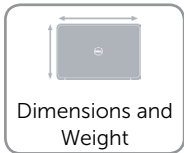




Specifications

Memory

Connector	Two SODIMM connectors
Type	DDR3L
Speed	Up to 1600 MHz
Configurations supported	6 GB, 8 GB, 12 GB, and 16 GB





Specifications

Ports and Connectors

External:

Network

One RJ45 port

USB

- Two USB 2.0 ports
- One USB 3.0 port
- One USB 3.0 port with PowerShare

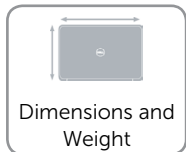
Audio/video

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

Internal:

M.2 card

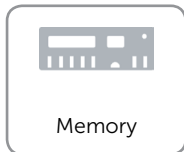
One M.2 card slot for Wi-Fi and Bluetooth combo card



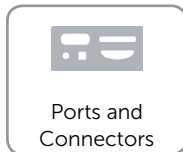
Dimensions and Weight



System Information



Memory



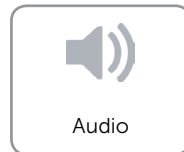
Ports and Connectors



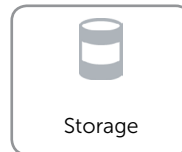
Communications



Video



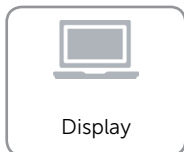
Audio



Storage



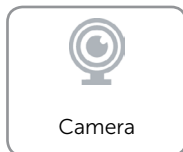
Media-Card Reader



Display



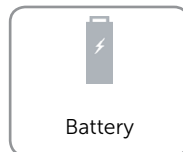
Keyboard



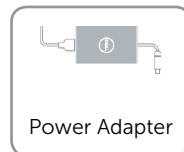
Camera



Touchpad



Battery



Power Adapter



Computer Environment



Specifications

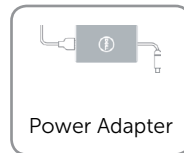
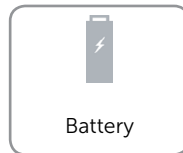
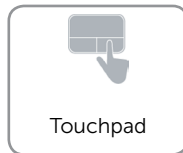
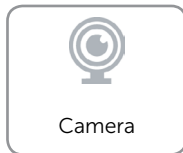
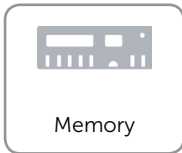
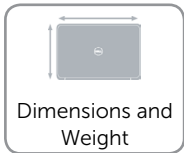
Communications

Ethernet

10/100/1000 Mbps Ethernet controller integrated on system board

Wireless

- Wi-Fi 802.11 b/g/n
- Wi-Fi 802.11 ac
- Bluetooth 4.0
- Wireless Display (WiDi)

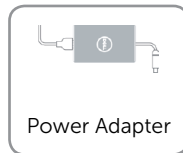
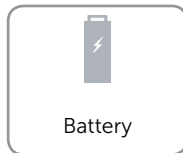
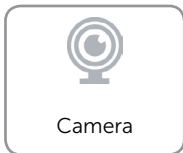
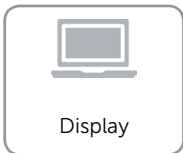
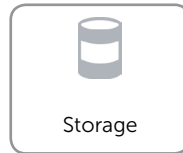
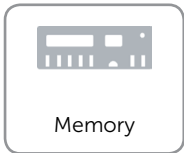
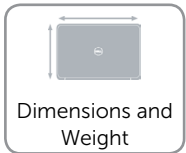




Specifications

Video

Controller:	
Integrated	Intel HD Graphics 5500
Discrete	nVidia GeForce 845M
Memory:	
Integrated	Shared system memory
Discrete	2GB GDDR5

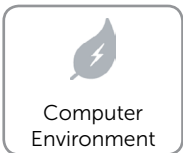
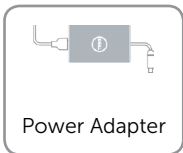
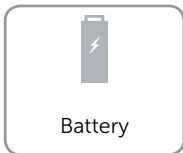
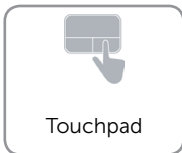
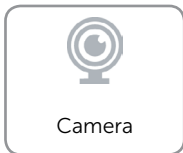
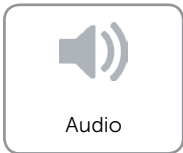
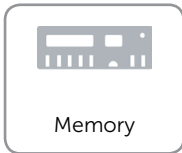
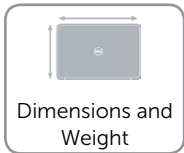




Specifications

Audio

Controller	Realtek ALC3234 with Waves MaxxAudio Pro
Speakers	Two
Speaker output:	
Average	2 watt
Peak	2.5 watt
Microphone	Digital array-microphones
Volume controls	Program menus and keyboard shortcut keys

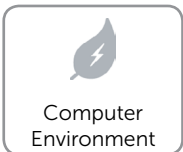
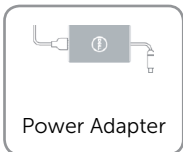
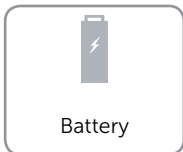
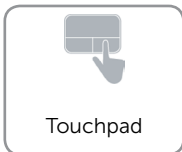
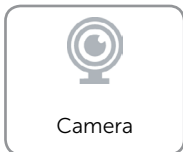
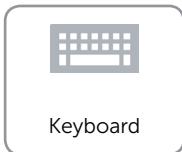
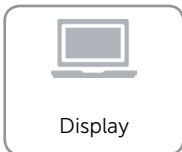
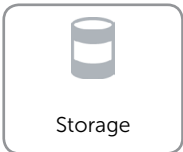
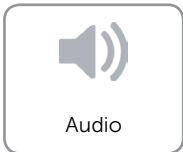
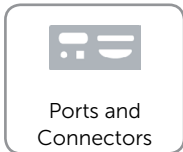
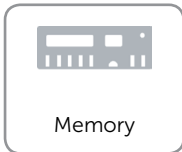
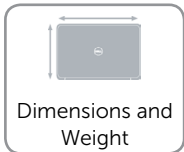




Specifications

Storage

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

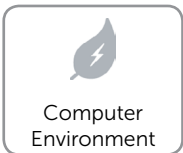
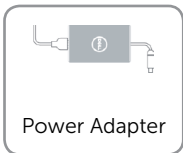
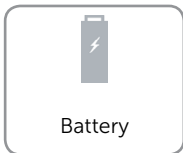
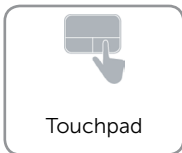
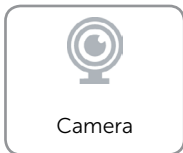
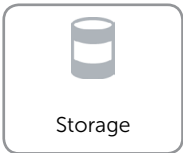
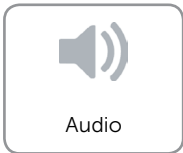
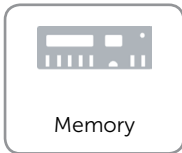
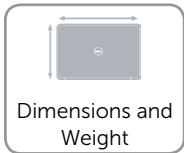




Specifications

Media-card reader

Type	One 8-in-1 slot
Cards supported	<ul style="list-style-type: none">• SD card• SD High-Capacity (SDHC) card• SD Extended Capacity (SDXC) card with Ultra High Speed (UHS)• Memory Stick (MS)• Memory Stick Pro• Memory Stick XC (MSXC)• MultiMedia Card (MMC)• MultiMedia Card plus (MMC+)

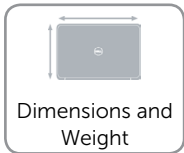




Specifications

Display

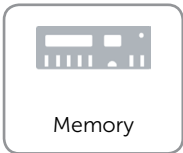
Type	17.3-in full HD
Resolution (maximum)	1920 x 1080
Dimensions:	
Height	214.81 mm (8.46 in)
Width	381.89 mm (15.04 in)
Diagonal	439.42 mm (17.30 in)
Refresh rate	60 Hz
Operating angle	0 degrees (closed) to 135 degrees
Pixel pitch	0.239 mm
Controls	Brightness can be controlled using shortcut keys.



Dimensions and Weight



System Information



Memory



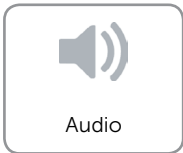
Ports and Connectors



Communications



Video



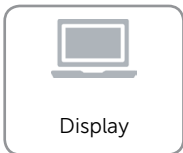
Audio



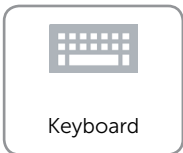
Storage



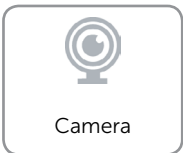
Media-Card Reader



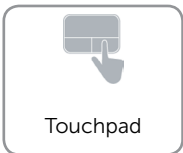
Display



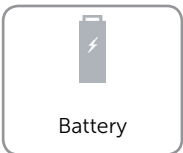
Keyboard



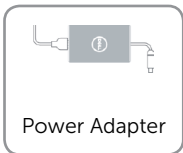
Camera



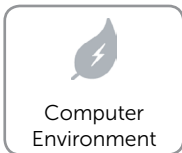
Touchpad



Battery



Power Adapter



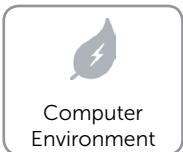
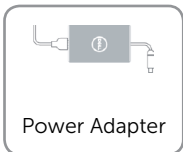
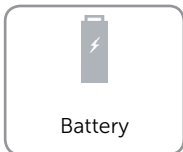
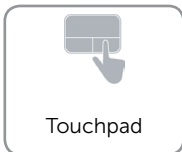
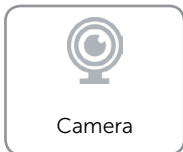
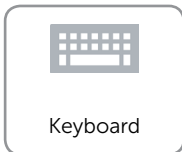
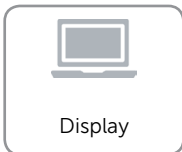
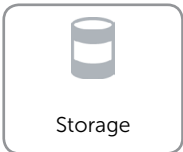
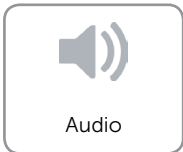
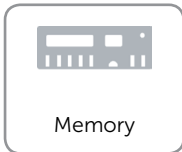
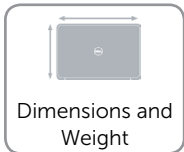
Computer Environment



Specifications

Keyboard

Type	Chiclet keyboard
Shortcut keys	<p>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.</p> <p>NOTE: You can define the primary behavior of the shortcut keys by changing Function Key Behavior in System Setup.</p>





Specifications

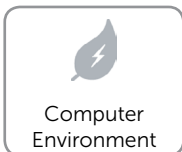
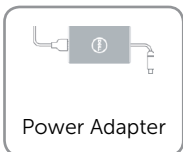
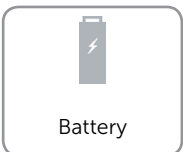
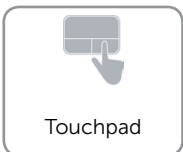
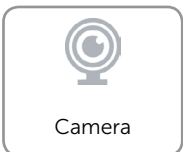
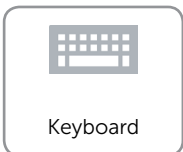
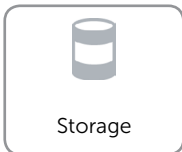
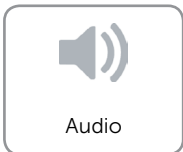
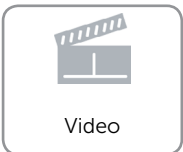
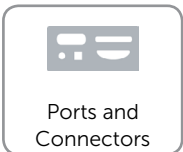
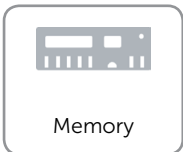
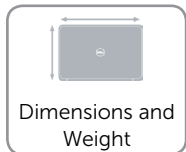
Camera

Resolution:

Still image 0.92 megapixel

Video 1280 x 720 (HD) at 30 fps (maximum)

Diagonal viewing angle 74 degrees





Specifications

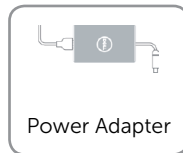
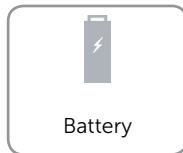
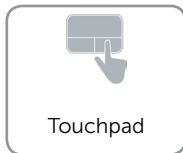
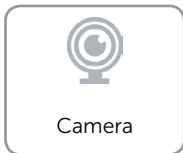
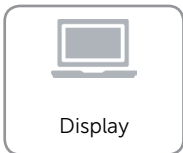
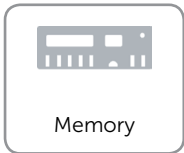
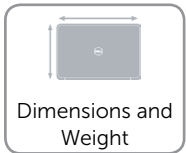
Touchpad

Resolution:

Horizontal	1211 dpi
Vertical	1267 dpi

Dimensions:

Width	105 mm (4.13 in)
Height	80 mm (3.15 in)

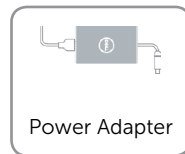
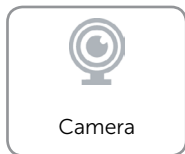
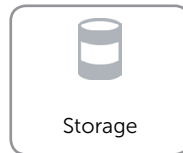
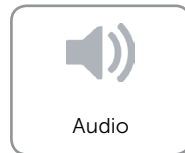
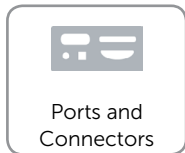
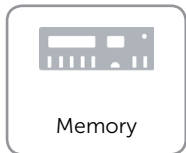
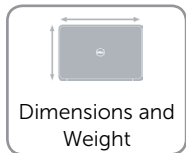




Specifications

Battery

Type	4 cell
Dimensions:	
Width	101.90 mm (4.01 in)
Depth	254 mm (10 in)
Height	7.72 mm (0.30 in)
Weight (maximum)	0.36 kg (0.79 lb)
Voltage	14.8 VDC
Charging time when the computer is off (approximate)	4 hours
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)
Storage	-40°C to 65°C (-40°F to 149°F)
Coin-cell battery	CR-2032

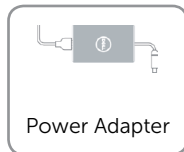
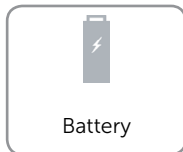
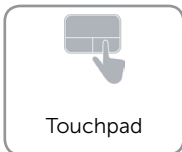
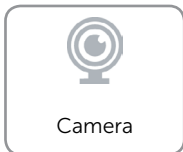
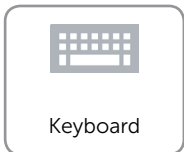
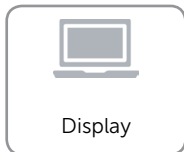
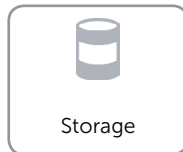
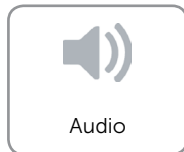
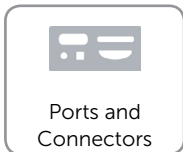
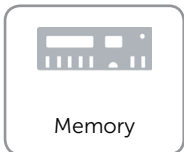
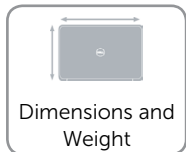




Specifications

Power Adapter

Type	<ul style="list-style-type: none">• 65 W• 90 W
Input voltage	100 VAC–240 VAC
Input frequency	50 Hz–60 Hz
Input current:	
65 W	1.60 A/1.70 A (maximum)
90 W	1.50 A/2.50 A (maximum)
Output current:	
65 W	3.34 A
90 W	4.62 A
Rated output voltage	19.50 VDC
Temperature range:	
Operating	0°C to 35°C (32°F to 95°F)
Storage	–40°C to 70°C (–40°F to 158°F)





Specifications

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)	-15.2 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.

