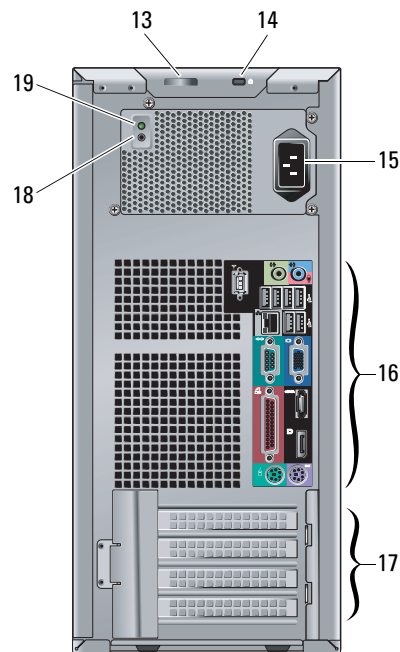
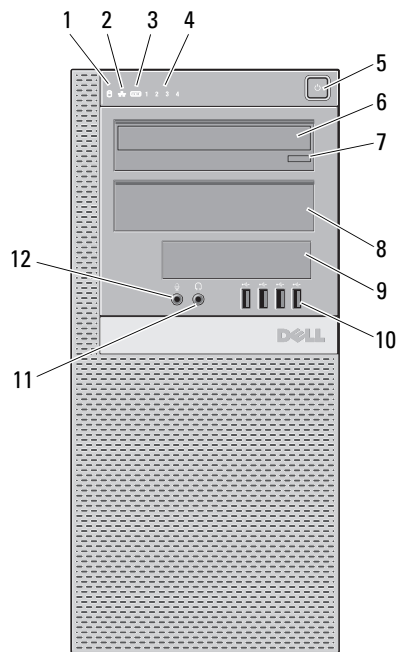


# Dell™ OptiPlex™ 980

## Setup and Features Information

### Mini Tower — Front and Back View



## About Warnings



**WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

- 1 drive activity light
- 2 network activity light
- 3 Wi-Fi® activity light (optional)
- 4 diagnostic lights (4)
- 5 power button, power light
- 6 optical drive
- 7 optical drive eject button
- 8 optical drive filler panel
- 9 flex bay
- 10 USB 2.0 connectors (4)
- 11 headphone connector
- 12 microphone connector
- 13 padlock ring
- 14 security cable slot
- 15 power cable connector
- 16 back panel connectors
- 17 expansion card slots (4)
- 18 power supply diagnostic button
- 19 power supply diagnostic light



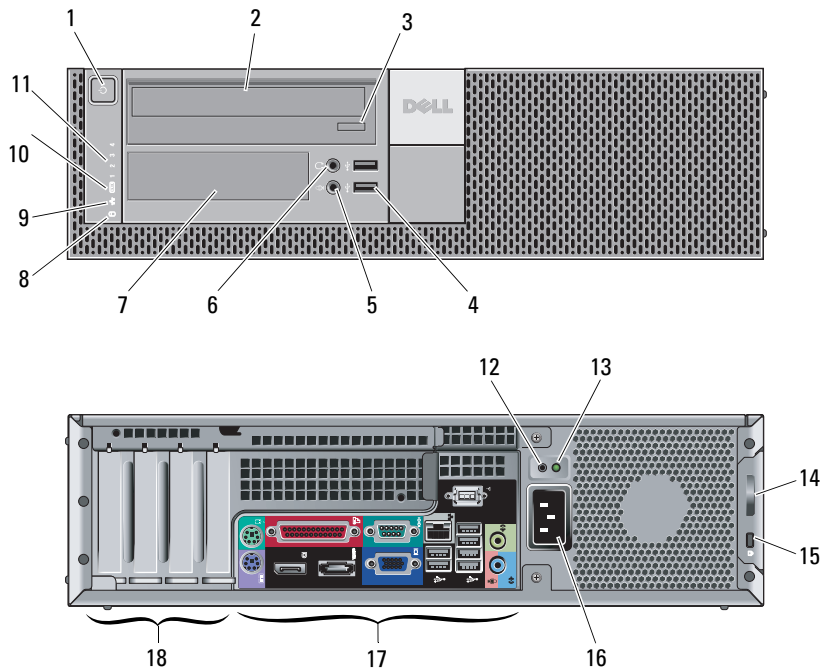
Models: Mini Tower: DCSM1F; Desktop: DCNE1F; and Small Form Factor: DCCY1F series

February 2010



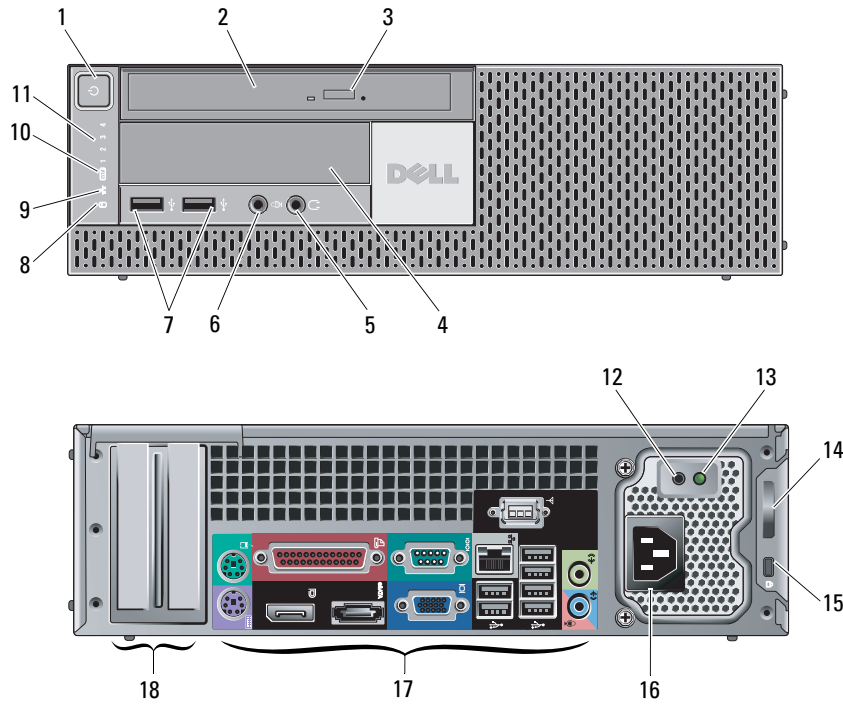
OY991MA01

### Desktop — Front and Back View



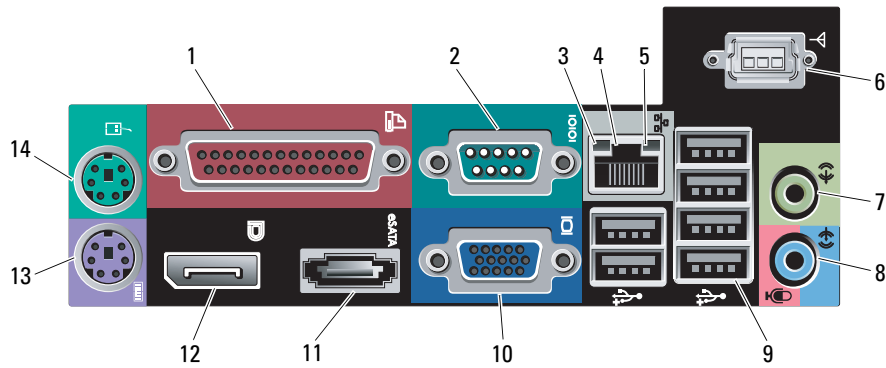
- 1 power button, power light
- 2 optical drive
- 3 optical drive eject button
- 4 USB 2.0 connectors (2)
- 5 microphone connector
- 6 headphone connector
- 7 flex bay
- 8 drive activity light
- 9 network activity light
- 10 Wi-Fi activity light (optional)
- 11 diagnostic lights (4)
- 12 power supply diagnostic button
- 13 power supply diagnostic light
- 14 padlock ring
- 15 security cable slot
- 16 power cable connector
- 17 back panel connectors
- 18 expansion card slots (4)

### Small Form Factor — Front and Back View



- 1 power button, power light
- 2 optical drive
- 3 optical drive eject button
- 4 flex bay
- 5 headphone connector
- 6 microphone connector
- 7 USB 2.0 connectors (2)
- 8 drive activity light
- 9 network activity light
- 10 Wi-Fi activity light (optional)
- 11 diagnostic lights (4)
- 12 power supply diagnostic button
- 13 power supply diagnostic light
- 14 padlock ring
- 15 security cable slot
- 16 power cable connector
- 17 back panel connectors
- 18 expansion card slots (2)

## Mini Tower, Desktop, and Small Form Factor — Back Panel



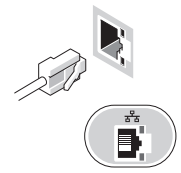
- 1 parallel connector
- 2 serial connector
- 3 link integrity light
- 4 network adapter connector
- 5 network activity light
- 6 Wi-Fi antenna (optional)
- 7 headphone connector
- 8 line-in/microphone connector
- 9 USB 2.0 connectors (6)
- 10 VGA connector
- 11 eSATA connector
- 12 DisplayPort connector
- 13 keyboard connector
- 14 mouse connector

### Quick Setup

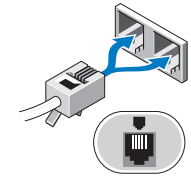
**⚠ WARNING:** Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional best practices information, see [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance).

**✍ NOTE:** Some devices may not be included if you did not order them.

**1** Connect the network cable (optional).

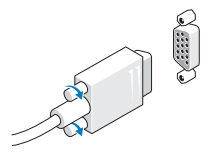


**2** Connect the modem (optional).

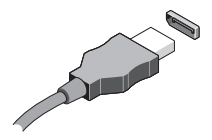


**3** Connect the monitor using only *one* of the following cables:

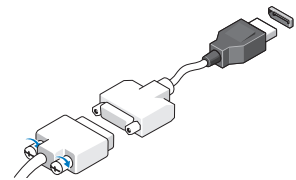
**a** The blue VGA cable.



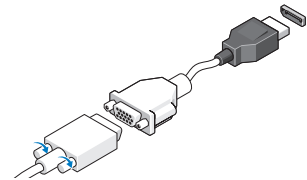
**b** The black DisplayPort cable.



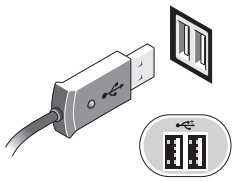
**c** The DisplayPort-to-DVI adapter cable.



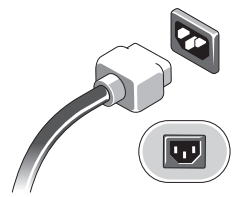
**d** The DisplayPort-to-VGA adapter cable.



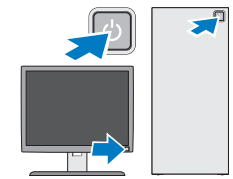
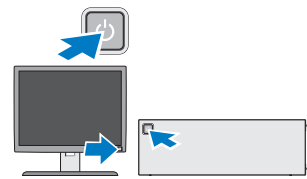
**4** Connect the USB keyboard or mouse (optional).




**5** Connect the power cable(s).



**6** Press the power buttons on the monitor and the computer.



## Specifications

 **NOTE:** The following specifications are only those required by law to ship with your computer. For a complete and current listing of the specifications for your computer, go to [support.dell.com](http://support.dell.com).

### System Information

Chipset	Intel® Q57 chipset
Processor	Intel Core™ i3/i5/i7 series Intel Pentium® dual-core

### Video

Video type:	
Integrated	Intel Graphics Media Accelerator HD <b>NOTE:</b> Not supported by computers shipped with Intel i7 and Intel i5 quad-core processors.
Discrete	PCI-E x16 graphics card
Video memory:	
Integrated	Upto 1759 MB (shared) <b>NOTE:</b> The memory shared is dependent upon the operating system and available memory.

### Memory

Memory module connector	four DIMM slots
Memory module capacity	1 GB, 2 GB, 4 GB
Memory type	1066 MHz or 1333 MHz DDR3
Minimum memory	1 GB
Maximum memory	16 GB

Drives	Mini Tower	Desktop	Small Form Factor
Externally accessible:			
3.5-inch drive bays	one	one	one
5.25-inch drive bays	two	one	one (slimline)
Internally accessible:			
3.5-inch SATA drive bays	two	one	one
Available devices:			
2.5-inch SATA hard drives	two	two	two
3.5-inch SATA hard drives	two	one	one
5.25-inch SATA DVD-ROM, DVD/CD-RW Combo, or DVD+/-RW drives	two	one	one (slimline)

### Control Lights and Diagnostic Lights

Front of computer	
Power button light	Solid blue light — indicates power-on state. Blinking blue light — indicates sleep state of the computer. Solid amber light (when the computer does not start) — indicates a problem with the system board or power supply. Blinking amber light — indicates a problem with the system board.

**Control Lights and Diagnostic Lights (continued)**

Drive activity light	Displays the SATA hard drive or optical drive activity.  Blue light — Blinking blue light indicates that the computer is reading data from or writing data to the drive.
Network activity light	Blue light — A good connection exists between the network and the computer.  Off (no light) — The computer is not detecting a physical connection to the network.
Diagnostic lights	Four amber lights located on the front panel of the computer. For information on the diagnostic lights, see the <i>Service Manual</i> available on the Dell Support website at <a href="http://support.dell.com/manuals">support.dell.com/manuals</a> .
Back of computer	
Link integrity light on integrated network adapter	Green light — A good 10 Mbps connection exists between the network and the computer.  Orange light — A good 100 Mbps connection exists between the network and the computer.  Yellow light — A good 1000 Mbps connection exists between the network and the computer.  Off (no light) — The computer is not detecting a physical connection to the network.
Network activity light on integrated network adapter	Yellow light — A blinking yellow light indicates that network activity is present.

**Control Lights and Diagnostic Lights (continued)**

Power supply light	Green light — The power supply is turned on and is functional. The power cable must be connected to the power connector (at the back of the computer) and the electrical outlet.  <b>NOTE:</b> You can test the health of the power system by pressing the test button. When the system's power supply voltage is within specification, the self-test LED lights up. If the LED does not light up, the power supply may be defective. AC power must be connected during this test.
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Power	Wattage	Maximum heat dissipation	Voltage
Mini Tower (DCSM1F)			
EPA	255 W	1060 BTU/hr	100-240 VAC
APFC	305 W	1600 BTU/hr	100-240 VAC
Desktop (DCNE1F)			
EPA	255 W	1060 BTU/hr	100-240 VAC
APFC	255 W	1337 BTU/hr	100-240 VAC
Small Form Factor (DCCY1F)			
EPA	235 W	977 BTU/hr	100-240 VAC
APFC	235 W	1233 BTU/hr	100-240 VAC
<b>NOTE:</b> Heat dissipation is calculated using the power supply wattage rating.			
Coin-cell battery	3V CR2032 lithium coin cell		

<b>Physical</b>	Mini Tower	Desktop	Small Form Factor
Height	40.80 cm (16.06 inches)	39.70 cm (15.62 inches)	29.00 cm (11.41 inches)
Width	18.70 cm (7.36 inches)	10.90 cm (4.29 inches)	8.50 cm (3.34 inches)
Depth	43.10 cm (16.96 inches)	34.80 cm (13.70 inches)	32.40 cm (12.75 inches)
Weight (Minimum)	11.40 kg (25.13 lb)	8.30 kg (18.29 lb)	5.90 kg (13.00 lb)
<b>Environmental</b>			
Temperature:			
Operating	10 °C to 35 °C (50 °F to 95 °F)		
Storage	-40 °C to 65 °C (-40 °F to 149 °F)		
Relative humidity	20% to 80% (noncondensing)		
Altitude:			
Operating	-15.2 m to 3048 m (-50 ft to 10,000 ft)		
Storage	-15.2 m to 10,668 m (-50 ft to 35,000 ft)		
Airborne contaminant level	G2 or lower as defined by ISA-S71.04-1985		

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### Finding More Information and Resources

See the safety and regulatory documents that shipped with your computer and the regulatory compliance website at [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance) for more information on:

- Safety best practices
- Warranty
- Terms and Conditions
- Regulatory
- Ergonomics
- End User License Agreement

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