# Dell Latitude 5420/E5420/E5420m/5520/E5520/E5520m

## Setup And Features Information

### About Warnings

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

### Latitude 5420/E5420/E5420m — Front And Back View

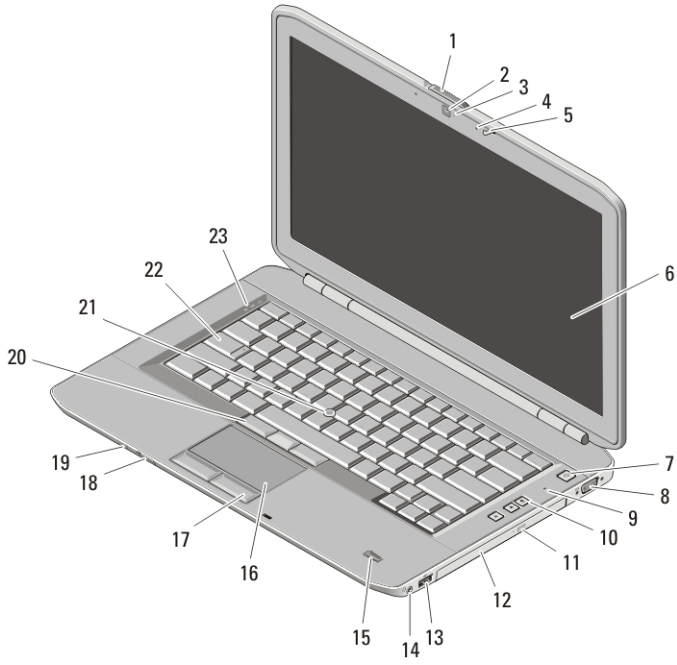


**Figure 1. Front View**

1. display-latch release switch
2. camera (optional)
3. camera status light (optional)
4. microphone (optional)
5. display latch
6. display
7. power button
8. VGA connector

0THK9WA01

**Regulatory Model: P15F, P16G**
**Regulatory Type: P15F001, P15F002, P16G001, P16G002**
**2011 – 03**

9. microphone
10. volume control buttons
11. optical-drive eject button
12. optical drive
13. USB 2.0 connector
14. headphone connector
15. fingerprint reader (optional)
16. touchpad
17. touchpad buttons (2)
18. wireless switch
19. power and battery status indicators
20. trackstick buttons (3)
21. trackstick (optional)
22. keyboard
23. device status lights

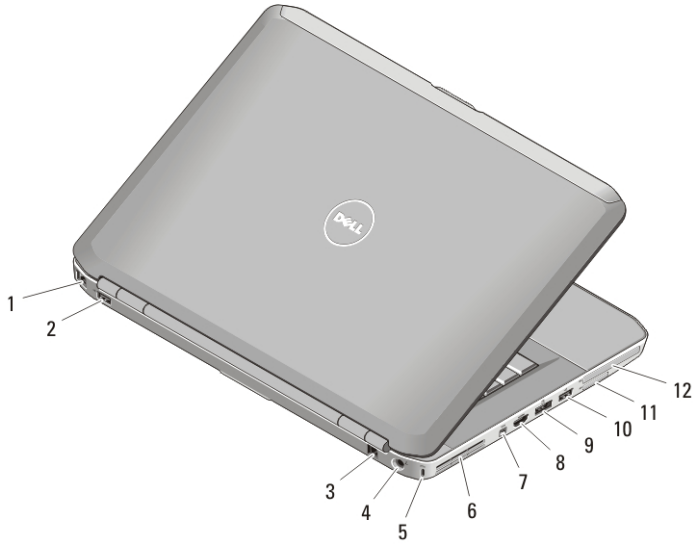


**Figure 2. Back View**

1. network connector
2. USB 2.0 connector
3. modem connector (optional)
4. power connector
5. security cable slot
6. cooling vent
7. IEEE 1394 connector
8. HDMI connector
9. e-SATA/USB 2.0 connector
10. USB 2.0 connector
11. Secure Digital (SD) card slot
12. ExpressCard slot

**WARNING: Do not block, push objects into, or allow dust to accumulate in the air vents. Do not store your Dell computer in a low-airflow environment, such as a closed briefcase, while it is running. Restricting the airflow can damage the computer or cause a fire. The computer turns on the fan when the computer gets hot. Fan noise is normal and does not indicate a problem with the fan or the computer.**

## Latitude 5520/E5520/E5520m — Front And Back View

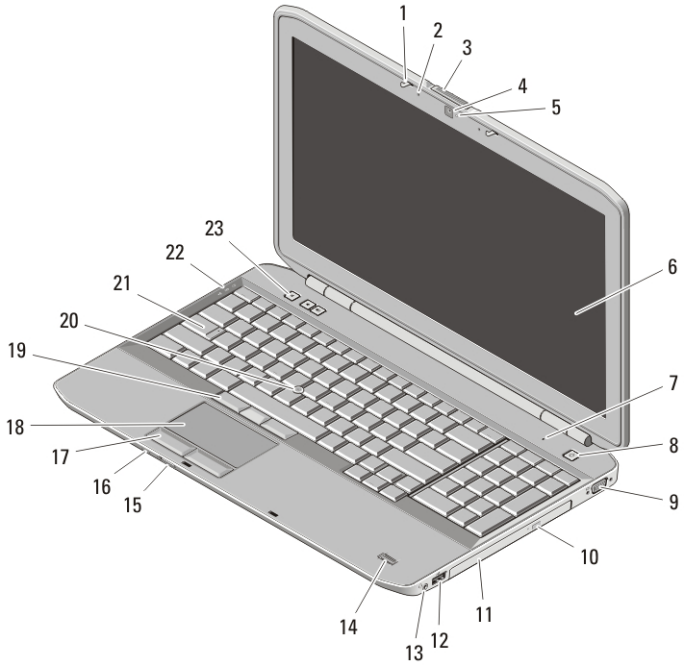


**Figure 3. Front View**

1. display latch
2. microphone
3. display-latch release switch
4. camera (optional)
5. camera status light (optional)
6. display
7. microphone
8. power button
9. VGA connector
10. optical-drive eject button
11. optical drive
12. USB 2.0 connector
13. headphone connector
14. fingerprint reader (optional)
15. wireless switch
16. power and battery status indicators
17. touchpad buttons (2)
18. touchpad
19. trackstick buttons (3)
20. trackstick (optional)
21. keyboard
22. device status lights
23. volume control buttons

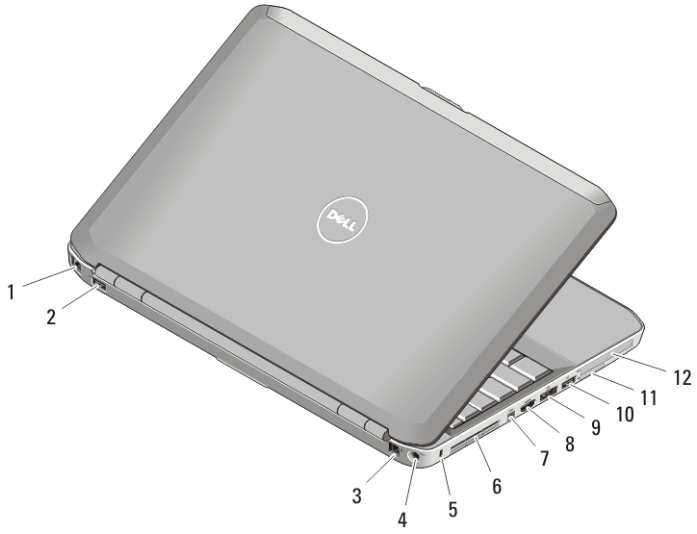


**Figure 4. Back View**

1. network connector
2. USB 2.0 connector
3. modem connector (optional)
4. power connector
5. security cable slot
6. cooling vents
7. IEEE 1394a connector
8. HDMI connector
9. eSATA/USB 2.0 connector
10. USB 2.0 connector
11. Secure Digital (SD) card slot
12. ExpressCard slot

**WARNING: Do not block, push objects into, or allow dust to accumulate in the air vents. Do not store your Dell computer in a low-airflow environment, such as a closed briefcase, while it is running. Restricting the airflow can damage the computer or cause a fire. The computer turns on the fan when the computer gets hot. Fan noise is normal and does not indicate a problem with the fan or the computer.**

## 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.**

**WARNING: The AC adapter works with electrical outlets worldwide. However, power connectors and power strips vary among countries. Using an incompatible cable or improperly connecting the cable to the power strip or electrical outlet may cause fire or equipment damage.**

**CAUTION: When you disconnect the AC adapter cable from the computer, grasp the connector, not the cable itself, and pull firmly but gently to avoid damaging the cable. When you wrap the AC adapter cable, ensure that you follow the angle of the connector on the AC adapter to avoid damaging the cable.**

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

1. Connect the AC adapter to the AC adapter connector on the computer and to the electrical outlet.

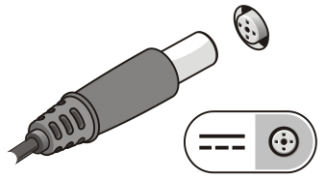

**Figure 5. AC Adapter**

2. Connect the network cable (optional).

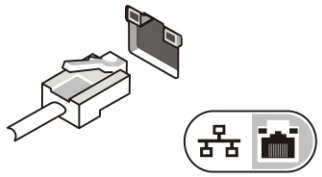

**Figure 6. Network Connector**

3. Connect USB devices, such as a mouse or keyboard (optional).

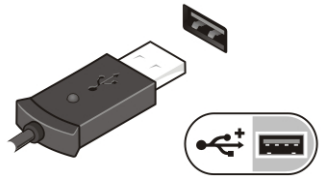

**Figure 7. USB Connector**

4. Connect IEEE 1394 devices, such as a 1394 hard drive (optional).

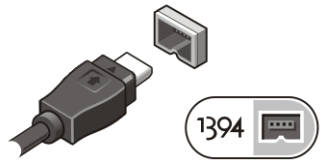


**Figure 8. 1394 Connector**

5. Open the computer display and press the power button to turn on the computer.

**Figure 9. Power Button**

**NOTE:** It is recommended that you turn on and shut down your computer at least once before you install any cards or connect the computer to a docking device or other external device, such as a printer.

## Specifications

**NOTE:** Offerings may vary by region. The following specifications are only those required by law to ship with your computer. For more information regarding the configuration of your computer, click **Start** → **Help and Support** and select the option to view information about your computer.

| System Information | |
|---|---|
| Chipset | |
| Latitude 5420/E5420/5520/E5520 | Intel HM65 Express chipset |
| Latitude E5420m/E5520m | Intel GM45 Express chipset |
| Processor | |
| Latitude 5420/5520/E5420/E5520 | • Intel Core i3 series<br>• Intel Core i5 series<br>• Intel Core i7 series |
| Latitude E5420m/E5520m | • Intel Core 2 series<br>• Intel Celeron (Socket P) series |

| Video | |
|---|---|
| Video type | Intel UMA video |
| Data bus | integrated video |
| Video controller and memory | |

| Video | |
|---|---|
| Latitude 5420/E5420/5520/E5520 | • Intel HD Graphics<br>• Intel HD Graphics 3000 |
| Latitude E5420m/E5520m | Intel GM45 |

| Memory | |
|---|---|
| Memory connector | two DIMM slots |
| Memory capacity | 1 GB, 2 GB, 4 GB, and 8 GB |
| Memory type | |
| Latitude 5420/E5420/5520/E5520 | DDR3 SDRAM, 1333 MHz |
| Latitude E5420m/E5520m | DDR3 SDRAM, 1066MHz |
| Minimum memory | 1 GB |
| Maximum memory | 8 GB |

**NOTE:** Only 64–bit operating systems support more than 4 GB memory.

| Battery | | |
|---|---|---|
| Type | 4–, 6–, or 9–cell "smart" Lithium ion | |
| Dimensions: | 4– and 6–cell | 9–cell |
| Height | 20.00 mm (0.79 inch) | 20.00 mm (0.79 inch) |
| Width | 208.00 mm (8.19 inches) | 214.00 mm (8.43 inches) |
| Depth | 48.08 mm (1.89 inches) | 71.79 mm (2.83 inches) |
| Weight | | |
| 4–cell | 240.00 (0.53 lb) | |
| 6–cell | 344.73 (0.76 lb) | |
| 9–cell | 508.20 (1.12 lb) | |
| Voltage | | |
| 4–cell | 14.8 VDC | |
| 6– and 9–cell | 11.1 VDC | |

| Battery | |
|---|---|
| Temperature range: | |
| Operating | 0 °C to 35 °C (32 °F to 95 °F) |
| Non-operating | –40 °C to 65 °C (–40 °F to 149 °F) |
| Coin-cell battery | 3 V CR2032 Lithium coin cell |

| AC Adapter | |
|---|---|
| Input voltage | 100 VAC to 240 VAC |
| Input current (maximum) | 1.5 A, 1.6 A, or 1.7 A |
| Input frequency | 50 Hz to 60 Hz |
| Output power | 65 W or 90 W |
| Output current | |
| 65 W | 3.34 A (continuous) |
| 90 W | 4.62 A (continuous) |
| Rated output voltage | 19.5 +/– 1.0 VDC |
| Temperature range: | |
| Operating | 0 °C to 35 °C (32 °F to 95 °F) |
| Non Operating | –40 °C to 65 °C (–40 °F to 149 °F) |

| Physical | Latitude 5420/E5420/ E5420m | Latitude 5520/E5520/ E5520m |
|---|---|---|
| Height | 29.90 mm to 32.50 mm (1.18 inches to 1.28 inches) | 30.20 mm to 33.20 mm (1.19 inches to 1.31 inches) |
| Width | 350.00 mm (13.78 inches) | 388.00 mm (15.28 inches) |
| Depth | 240.00 mm (9.45 inches) | 251.00 mm (9.88 inches) |
| Weight | • Latitude 5420/E5420/E5420m – 2.27 kg (5.00 lb)<br>• Latitude 5520/E5520 – 2.54 kg (5.60 lb)<br>• Latitude E5520m – 2.63 kg (5.80 lb) | |

| Environmental | |
|---|---|
| Temperature: | |
| Operating | 0 °C to 35 °C (32 °F to 95 °F) |
| Storage | –40 °C to 65 °C (–40 °F to 149 °F) |
| Relative humidity (maximum) : | |
| Operating | 10% to 90% (noncondensing) |
| Storage | 5% to 95% (noncondensing) |
| Altitude (maximum) | |
| Operating | –15.2 m to 3048 m (–50 ft to 10,000 ft) |
| Storage | –15.2 m to 10668 m (–50 ft to 35,000 ft) |

## 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** for more information on:

- Safety best practices
- Regulatory certification
- Ergonomics

See **www.dell.com** for additional information on:

- Warranty
- Terms and Conditions (U.S. only)
- End User License Agreement

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