



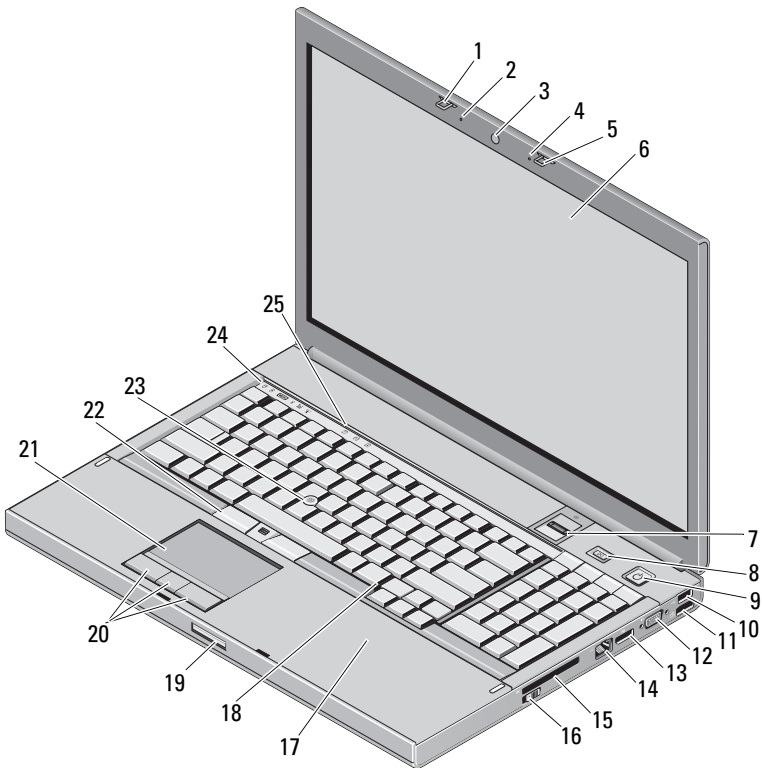
## About Warnings



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

# Dell Precision™ M6500 Mobile Workstation Setup and Features Information Tech Sheet

## Front View



November 2009

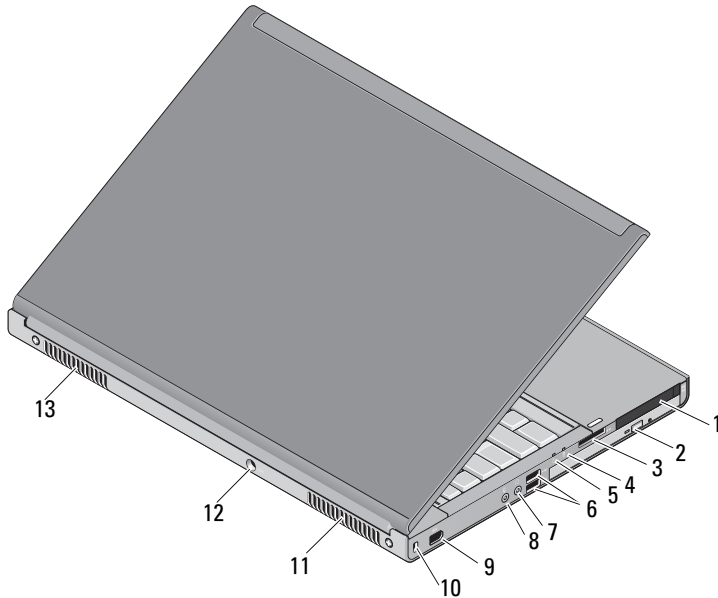


Model: PP08X  
Type: PP08X001




- |    |                                   |    |                         |
|----|-----------------------------------|----|-------------------------|
| 1  | display latch                     | 2  | microphone              |
| 3  | camera (optional)                 | 4  | microphone              |
| 5  | display latch                     | 6  | display                 |
| 7  | fingerprint reader (optional)     | 8  | Precision ON button     |
| 9  | power button                      | 10 | USB connector           |
| 11 | USB/eSATA connector               | 12 | VGA connector           |
| 13 | DisplayPort                       | 14 | network connector       |
| 15 | ExpressCard slot                  | 16 | wireless switch         |
| 17 | contactless smart card (optional) | 18 | keyboard                |
| 19 | display latch release             | 20 | touchpad buttons (3)    |
| 21 | touchpad/jog shuttle              | 22 | track stick buttons (3) |
| 23 | track stick                       | 24 | device status lights    |
| 25 | keyboard status lights            |    |                         |


## Back View





- |    |   |    |                          |
|----|---|----|--------------------------|
| 1  | dual-slot smart card reader and PC card reader slot | 2  | CD/DVD or Blu-ray™ drive |
| 3  | 8-in-1 card reader slot                             | 4  | battery status light     |
| 5  | power light   | 6  | USB connectors (2)       |
| 7  | audio connector                                     | 8  | microphone connector     |
| 9  | IEEE 1394 port (6-pin, powered)                     | 10 | security cable slot      |
| 11 | cooling vents                                       | 12 | AC adapter connector     |
| 13 | cooling vents                                       |    |                          |

## Quick Setup

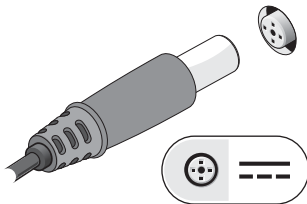
 **WARNING:** Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional best practices information, see [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance).

 **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.

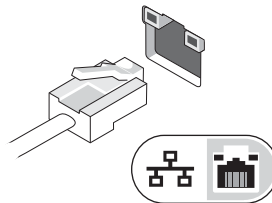
 **CAUTION:** When you disconnect the AC adapter cable from the computer, grasp the connector, not the cable itself, and pull firmly but gently to avoid damaging the cable. When you wrap the AC adapter cable, ensure that you follow the angle of the connector on the AC adapter to avoid damaging the cable.

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

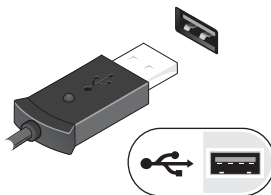
- 1 Connect the AC adapter to the AC adapter connector on the computer and to the electrical outlet.



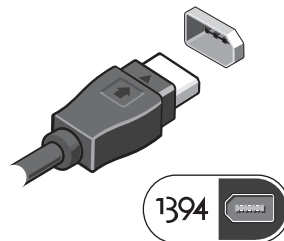
- 2 Connect the network cable (optional).



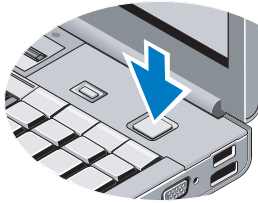
- 3 Connect USB devices, such as a mouse or keyboard (optional).




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




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



 **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.

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### System Information

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Chipset	Mobile Intel® PM55 Chipset
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### Processor

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Processor	Intel Core™ i7-720QM Quad-Core Intel Core i7-820QM Quad-Core Intel Core i7-920XM Quad-Core Extreme
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### Video

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Video type	Discrete
Data bus	PCI-Express x16 Gen 2 capable
Video controller and memory	NVIDIA Quadro FX 3800M (1GB GDDR3 graphics memory) NVIDIA Quadro FX 2800M (1GB GDDR3 graphics memory) AMD ATI FirePro M7740 (1GB GDDR5 graphics memory)

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### Memory

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Memory module connector	Four user-accessible DIMM sockets
Memory module capacity	1 GB, 2 GB, and 4 GB capable

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**Memory (continued)**

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Memory type	DDR3 1333 MHz or 1067 MHz
Minimum memory	2 GB
Maximum memory	16 GB

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**Smart Card (Contactless feature - Optional)**

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Read/write capabilities	Supports ISO-7816-3 (asynchronous and synchronous Type I and II), ISO7816-12
Cards supported	1.8 V, 3 V, and 5 V
Program technology supported	Java cards
Interface speed	9600–115,200 BPS
EMV level	level 1 certified
WHQL certification	PC/SC

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**Battery**

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Type	9-cell 'smart' lithium ion (90 W/hr)
Dimensions	
Depth	85 mm
Height	23 mm
Voltage	11.1 V
Temperature range	
Operating	0° to 35°C (32° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)
Coin-cell battery	CR2032

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**AC Adapter**

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Type	210 W/240 W	210 W
Input voltage	100–240 VAC	100-240 VAC
Input current (maximum)	3.5 A	3.2 A
Input frequency	50–60 Hz	50–60 Hz
Output current	12.3 A	10.8 A
Rated output voltage	19.50 VDC	19.50 VDC

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**AC Adapter (continued)**

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## Temperature range

Operating	0° to 40°C (32° to 104°F)	0° to 40°C (32° to 104°F)
Storage	-40° to 65°C (-40° to 149°F)	-40° to 65°C (-40° to 149°F)

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**Physical**

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Height	38.5 mm (1.52 inches)
Width	393 mm (15.5 inches)
Depth	280.5 mm (11.04 inches)
Weight (with a 9-cell battery)	minimum weight is 3.81 kg (8.42 lbs)

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**Environmental**

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## Temperature range

Operating	0° to 35°C (32 to 95°F)
Storage	-40° to 65°C (-40 to 149°F)

## Relative humidity (maximum)

Operating	10% to 90% (noncondensing)
Storage	5% to 95% (noncondensing)

**Finding More Information and Resources**

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**If you need to:**

Find safety best practices information for your computer, review Warranty information, Terms and Conditions (U.S. only), Safety instructions, Regulatory information, Ergonomics information, and End User License Agreement

**See:**

The safety and regulatory documents that shipped with your computer and the Regulatory Compliance Homepage at [www.dell.com/regulatory\\_compliance](http://www.dell.com/regulatory_compliance).

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