About This Book

⚠️ **WARNING!** Text set off in this manner indicates that failure to follow directions could result in bodily harm or loss of life.

⚠️ **CAUTION:** Text set off in this manner indicates that failure to follow directions could result in damage to equipment or loss of information.

💡 **NOTE:** Text set off in this manner provides important supplemental information.
Table of contents

1  Product Features
   Standard Features ................................................................................................................................ 1
   Front Panel Components ..................................................................................................................... 2
   Top Components .................................................................................................................................. 3
   Rear Panel Components ...................................................................................................................... 4
   Installing the Antenna (Wireless Models) ............................................................................................. 5
   Installing the Rubber Feet .................................................................................................................... 5
   Installing the Stand ................................................................................................................................ 6
   Removing the Stand ............................................................................................................................... 6
   Using the Keyboard .............................................................................................................................. 7
      Windows Logo Key ......................................................................................................................... 8
      Additional Function Keys ............................................................................................................. 8
   Special Mouse Functions ..................................................................................................................... 8
   Serial Number Location ........................................................................................................................ 9

2  Hardware Changes
   General Hardware Installation Sequence ........................................................................................... 10
   Removing and Replacing the Secure USB Compartment Cover .......................................................... 12
      Removing the Secure USB Compartment Cover .............................................................................. 12
      Replacing the Secure USB Compartment Cover ............................................................................. 12
   Removing and Replacing the Side Access Panel and Metal Side Cover .............................................. 14
      Removing the Side Access Panel and Metal Side Cover ................................................................. 14
      Replacing the Metal Side Cover and Side Access Panel ................................................................. 15
   Installing Thin Client Options .............................................................................................................. 16
      Installing the USB Device ............................................................................................................. 17
      Removing and Replacing the Battery ............................................................................................. 17
      Installing the PCI Expansion Module and PCI Card ...................................................................... 18
   External Drives .................................................................................................................................. 19

Appendix A  Specifications

   Securing the Thin Client ..................................................................................................................... 22
1 Product Features

Standard Features

Thank you for purchasing an HP Compaq thin client. We hope you have years of use from our t5730 or t5735 thin clients. Our goal is to provide you with award-winning clients that are easy to deploy and manage with the power and reliability you expect.

HP has partnered with Altiris to manage HP Compaq thin clients. Altiris Deployment Solution is a leading-edge tool to help with quick deployment and for ongoing management of the thin clients in your organization. Each HP Compaq thin client is recognized by the Altiris Deployment Solution as a supported device. As a result, you need not track license compliancy for each device. For additional information about the Altiris Deployment Solution tool, refer to the Altiris Deployment Solution insert that shipped with the thin client and the Deployment Solution User Guide that is available at http://www.altiris.com/documentation.

The next sections describe the features of the thin client. For a complete list of the hardware and software installed on a specific model, visit http://h18004.www1.hp.com/products/thinclients/index.html and search for a specific thin client model.

The following features are common to all HP thin clients:

- no moving parts
- no hard drives or diskette drives
- 5-minute setup time
- central deployment and management using Altiris Deployment Solution

Various options are available for your thin client. For more information about available options, visit the HP Web site at http://h30143.www3.hp.com/configure2.cfm.
## Front Panel Components

**Figure 1-1** Front panel components

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Secure USB compartment</td>
</tr>
<tr>
<td>2</td>
<td>Power button</td>
</tr>
<tr>
<td>3</td>
<td>Flash activity LED</td>
</tr>
<tr>
<td>4</td>
<td>Line-in (microphone) connector</td>
</tr>
<tr>
<td>5</td>
<td>Power LED</td>
</tr>
<tr>
<td>6</td>
<td>Line-out (headphone) audio connector</td>
</tr>
<tr>
<td>7</td>
<td>Universal serial bus (USB) connectors (2)</td>
</tr>
</tbody>
</table>

*For more information, refer to the model-specific QuickSpecs at [http://h18004.www1.hp.com/products/quickspecs/QuickSpecs_Archives/QuickSpecs_Archives.html](http://h18004.www1.hp.com/products/quickspecs/QuickSpecs_Archives/QuickSpecs_Archives.html).*
Top Components

Figure 1-2  Top components, external view

1. Wireless antenna*
2. Secure USB compartment
3. Cable lock slot

*Available on some models. Refer to the model-specific QuickSpecs at www.hp.com for details.

Figure 1-3  Top components, internal view

1. Wireless antenna connector*
2. Secure USB compartment ports (2)
3. Cable lock slot

*Available on some models. Refer to the model-specific QuickSpecs at www.hp.com for details.
The wireless antenna allows you to send and receive wireless signals to communicate with wireless local area networks (WLAN).

The secure USB compartment allows you to use two USB devices in a secured location.

# Rear Panel Components

![Rear panel components](image)

<table>
<thead>
<tr>
<th></th>
<th>Component Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>Line-out audio connector</td>
</tr>
<tr>
<td>(2)</td>
<td>Ethernet RJ-45 connector</td>
</tr>
<tr>
<td>(3)</td>
<td>Universal serial bus (USB) connectors (4)</td>
</tr>
<tr>
<td>(4)</td>
<td>PS/2 connectors (2)</td>
</tr>
<tr>
<td>(5)</td>
<td>Serial connector</td>
</tr>
<tr>
<td>(6)</td>
<td>DVI-D connector</td>
</tr>
<tr>
<td>(7)</td>
<td>VGA connector</td>
</tr>
<tr>
<td>(8)</td>
<td>Power connector</td>
</tr>
</tbody>
</table>

For more information, see the model-specific QuickSpecs at [http://h18004.www1.hp.com/products/quickspecs/QuickSpecs_Archives/QuickSpecs_Archives.html](http://h18004.www1.hp.com/products/quickspecs/QuickSpecs_Archives/QuickSpecs_Archives.html).
Installing the Antenna (Wireless Models)

▲ Screw the antenna in place on top of the thin client.

**Figure 1-5** Installing the antenna

▲ **CAUTION:** To prevent damage to the antenna mounting, do not overtighten the antenna.

Installing the Rubber Feet

To install the rubber feet:

1. Locate the holes in the corners of the left side of the thin client.
2. Remove the feet from their backing.
3. Align the feet with their holes and press them in securely.

**Figure 1-6** Installing the rubber feet
Installing the Stand

To install the stand:

1. Turn unit upside down.

2. Locate the slots on the bottom of the unit into which the tabs on the stand fit.

3. Insert the tabs into the slots (1), and then slide the stand about 1.26 cm (1/2 inch) toward the back of the unit until it locks into place (2).

   Figure 1-7 Installing the stand

Removing the Stand

To remove the stand:

1. Turn unit upside down.

2. Press the tab (1), and then slide the stand about 1.26 cm (1/2 inch) toward the front of the unit and lift the stand off the unit (2).

   Figure 1-8 Removing the stand
## Using the Keyboard

**Figure 1-9** Keyboard features

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Caps Lock key</strong></td>
<td>Activates/deactivates the Caps Lock feature.</td>
</tr>
<tr>
<td>2</td>
<td><strong>Scroll Lock key</strong></td>
<td>Activates/deactivates the Scroll Lock feature.</td>
</tr>
<tr>
<td>3</td>
<td><strong>Num Lock key</strong></td>
<td>Activates/deactivates the Num Lock feature.</td>
</tr>
<tr>
<td>4</td>
<td><strong>Ctrl key</strong></td>
<td>Use in combination with another key; its function depends on the application software you are using.</td>
</tr>
<tr>
<td>5</td>
<td><strong>Windows Logo Key</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Opens the <strong>Start</strong> menu in Microsoft Windows. Use in combination with other keys to perform other functions. For more information, see <strong>Windows Logo Key</strong> on page 8.</td>
</tr>
<tr>
<td>6</td>
<td><strong>Alt key</strong></td>
<td>Use in combination with another key; its function depends on the application software you are using.</td>
</tr>
<tr>
<td>7</td>
<td><strong>Application key</strong>&lt;sup&gt;1&lt;/sup&gt;</td>
<td>Similar to the right mouse button, opens pop-up menus in a Microsoft Office application. May perform other functions in other software applications.</td>
</tr>
<tr>
<td>8</td>
<td><strong>Editing keys</strong></td>
<td>Includes the following: Insert, Home, Page Up, Delete, End, and Page Down.</td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Hold <strong>Ctrl</strong> and <strong>Alt</strong> while pressing <strong>Delete</strong> to restart the thin client.</td>
<td></td>
</tr>
</tbody>
</table>

<sup>1</sup>Available in select geographic regions.
Windows Logo Key

Use the Windows Logo Key in combination with other keys to perform certain functions available in Windows operating systems.

<table>
<thead>
<tr>
<th>Key Combination</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows Logo Key + Tab</td>
<td>Switch between open items.</td>
</tr>
<tr>
<td>Windows Logo Key + e</td>
<td>Open My Computer.</td>
</tr>
<tr>
<td>Windows Logo Key + f</td>
<td>Search for a file or folder.</td>
</tr>
<tr>
<td>Windows Logo Key + Ctrl + f</td>
<td>Search for computers.</td>
</tr>
<tr>
<td>Windows Logo Key + m</td>
<td>Minimize all windows.</td>
</tr>
<tr>
<td>Windows Logo Key + Shift + m</td>
<td>Undo minimize all.</td>
</tr>
<tr>
<td>Windows Logo Key + Break</td>
<td>Display the System Properties dialog box.</td>
</tr>
<tr>
<td>Windows Logo Key + r</td>
<td>Open the Run dialog box.</td>
</tr>
</tbody>
</table>

Additional Function Keys

The following key combinations also work on HP Compaq t5730/t5735 thin clients:

<table>
<thead>
<tr>
<th>Key Combination</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alt + Esc</td>
<td>Cycles through minimized applications.</td>
</tr>
<tr>
<td>Alt + Tab</td>
<td>Cycles through open applications.</td>
</tr>
<tr>
<td>Alt + Shift + Tab</td>
<td>Switches to the previous session.</td>
</tr>
</tbody>
</table>

Special Mouse Functions

Most software applications support the use of a mouse. The functions assigned to each mouse button depend on the software applications you are using.
Serial Number Location

Every thin client includes a unique serial number located as shown in the following illustration. Have this number available when contacting HP customer service for assistance.

Figure 1-10  Serial number location
General Hardware Installation Sequence

To ensure the proper installation thin client hardware components:

1. Back up any data, if necessary.

2. If the thin client is powered on:
   a. Turn the unit and any other attached devices off.
   b. Disconnect the power cord from the wall outlet.
   c. Disconnect any external devices or cables, such as an antenna or cable lock.

⚠️ **WARNING!** To reduce the risk of personal injury from electrical shock and/or hot surfaces, be sure to disconnect the power cord from the wall outlet and allow the internal system components to cool before touching.

⚠️ **WARNING!** To reduce the risk of electrical shock, fire, or damage to the equipment, do not plug telecommunications or telephone connectors into the network interface controller (NIC) receptacles.

⚠️ **CAUTION:** Static electricity can damage the electronic components of the thin client or optional equipment. Before beginning these procedures, ensure that you are discharged of static electricity by briefly touching a grounded metal object. See Electrostatic Discharge on page 31 for more information.

3. Remove the secure USB compartment cover. See Removing and Replacing the Secure USB Compartment Cover on page 12 for more information.

4. Remove the side access panel and metal side cover. See Removing and Replacing the Side Access Panel and Metal Side Cover on page 14 for more information.

5. Remove any hardware that you will replace.

6. Install or replace equipment. For removal and replacement procedures, see the following sections:
   - Installing the USB Device on page 17
   - Installing the PCI Expansion Module and PCI Card on page 18
   - Removing and Replacing the Battery on page 17

⚠️ **NOTE:** Option kits include more detailed installation instructions.

7. Replace the side access panel and metal side cover. See Removing and Replacing the Side Access Panel and Metal Side Cover on page 14.
8. Replace the secure USB compartment cover. See Removing and Replacing the Secure USB Compartment Cover on page 12.

9. Reconnect any external devices and power cords.

10. Turn on the monitor, the thin client, and any devices you want to test.

11. Load any necessary drivers.

**NOTE:** You can download select hardware drivers from HP at [http://www.hp.com/country/us/eng/support.html](http://www.hp.com/country/us/eng/support.html).

12. Reconfigure the thin client, if necessary.
Removing and Replacing the Secure USB Compartment Cover

The secure USB compartment allows you to install two USB devices in a secure location inside the thin client. Along with providing a hidden location, the secure USB compartment can be locked by the optional security cable lock.

⚠️ CAUTION: The ambient temperature inside of the secure USB compartment can reach up to 55° C (131° F) in worst case conditions. Make sure the specifications for any device you install in the compartment indicate the device can tolerate a 55° C (131° F) ambient environment.

📝 NOTE: In addition to following these instructions, follow the detailed instructions that accompany the accessory you are installing.

Before beginning the installation process, review General Hardware Installation Sequence on page 10 for procedures you should follow before and after installing or replacing hardware.

Removing the Secure USB Compartment Cover

Use the following procedure to remove the secure USB compartment cover.

⚠️ WARNING! Before removing the secure USB compartment cover, ensure that the thin client is turned off and the power cord is disconnected from the electrical outlet.

To remove the secure USB compartment cover:

1. Remove the antenna, if one is installed.
2. On rear of the thin client, remove the screw that secures the compartment cover to the unit (1).
3. On the front of the unit, push the compartment cover about 1.27 cm (1/2 inch) toward the back of the unit (2).
4. Remove the cover from the unit by first lifting the rear (screw side) of the cover, and then lifting the cover off the unit (3).

Figure 2-1 Removing the secure USB compartment cover

Replacing the Secure USB Compartment Cover

To replace the secure compartment cover:
1. Place the cover on top of the unit so it is offset about 1.27 cm (1/2 inch) toward the rear of the unit, allowing the tabs on the cover to align and insert into the slots on the chassis (1).

2. Slide the cover toward the front of the unit until it locks in place and the cover is flush with the front panel of the chassis (2).

3. Replace the screw (3).

   **Figure 2-2** Replacing the secure compartment cover

4. Replace the antenna, if you are using one.
Removing and Replacing the Side Access Panel and Metal Side Cover

Removing the Side Access Panel and Metal Side Cover

⚠️ **WARNING!** Before removing the side access panel, ensure that the thin client is turned off and the power cord is disconnected from the electrical outlet.

To remove the access panel:

1. Remove the secure compartment cover (1). For more information, see *Removing the Secure USB Compartment Cover on page 12*.

2. Remove the access panel screw in the secure USB compartment that secures the access panel to the chassis (2).

3. Slide the access panel about 6.35 mm (1/4 inch) toward the rear of the unit (3), and then lift the access panel up and off the unit (4).

![Figure 2-3 Removing the side access panel](image)

To remove the metal side cover:

**NOTE:** Do not remove the metal side cover when installing a PCI Expansion Module.

You must remove the metal side cover to access internal components such as the battery or the memory.

1. Remove the four screws that secure the metal side cover to the chassis (1).
2. Lift the metal side cover, front side first, off the unit (2).

![Figure 2-4 Removing the metal side cover]

---

### Replacing the Metal Side Cover and Side Access Panel

To replace the metal side cover:

1. Place the metal side cover on the chassis, front side first, making sure to align the screw holes in the cover with the holes in the chassis (1).

2. Insert and tighten the four screws (2).

![Figure 2-5 Replacing the metal side cover]

---

To replace the access panel:

1. Place the access panel on the side of the unit, offset about 6.35 mm (1/4 inch) toward the rear of the unit (1).

2. Slide the panel toward the front of the unit until it locks into place (2).
3. Replace the screw that secures the access panel to the chassis (3).

**Figure 2-6** Replacing the side access panel

---

**Installing Thin Client Options**

Various options can be installed on the thin client:

- Installing the USB Device on page 17
- Installing the PCI Expansion Module and PCI Card on page 18
- Removing and Replacing the Battery on page 17
Installing the USB Device

Before beginning the replacement process, review General Hardware Installation Sequence on page 10 for procedures you should follow before and after installing or replacing hardware.

▲ Insert the USB device into the USB port in the secure USB compartment. See the following illustration for the location of the ports in the secure USB compartment.

Figure 2-7 USB ports in the secure USB compartment

Removing and Replacing the Battery

Before beginning the replacement process, review General Hardware Installation Sequence on page 10 for procedures you should follow before and after installing or replacing hardware.

⚠️ WARNING! Before removing the side access panel, ensure that the thin client is turned off and the power cord is disconnected from the electrical outlet.

To remove and replace the battery:

1. Locate the battery on the system board.
2. To release the battery from its holder, squeeze the metal clamp that extends above one edge of the battery. When the battery pops up, lift it out (1).

**Figure 2-8** Removing and replacing the internal battery

3. To insert the new battery, slide one edge of the replacement battery under the holder’s lip with the positive side up. Push the other edge down until the clamp snaps over the other edge of the battery (2).

HP encourages customers to recycle used electronic hardware, HP original print cartridges, and rechargeable batteries. For more information about recycling programs, go to [www.hp.com/recycle](http://www.hp.com/recycle).

---

**Batteries, battery packs, and accumulators** should not be disposed of together with the general household waste. In order to forward them to recycling or proper disposal, please use the public collection system or return them to HP, an authorized HP partner, or their agents.

---

The Taiwan EPA requires dry battery manufacturing or importing firms, in accordance with Article 15 of the Waste Disposal Act, to indicate the recovery marks on the batteries used in sales, giveaways, or promotions. Contact a qualified Taiwanese recycler for proper battery disposal.

---

**Installing the PCI Expansion Module and PCI Card**

Before beginning the replacement process, review General Hardware Installation Sequence on page 10 for procedures you should follow before and after installing or replacing hardware.

⚠️ **WARNING!** Before removing the side access panel, ensure that the thin client is turned off and the power cord is disconnected from the electrical outlet.

Follow the instructions included in the PCI Expansion Module option kit.

⚠️ **CAUTION:** Be sure to use the thin client with the stand in the tower mode if the PCI Expansion Module and PCI Card are installed.
External Drives

Various external USB drives are available as options for the t5730/t5735. For more information about these drives, visit http://www.hp.com/products/thinclientsoftware, or refer to the instructions that accompany the option.

For more information about available options, visit the HP Web site at http://h30143.www3.hp.com/configure2.cfm.
## Table A-1  HP Compaq t5730/t5735 Thin Client

<table>
<thead>
<tr>
<th>Dimension</th>
<th>HP Compaq t5730</th>
<th>t5735 Thin Client</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Width (front to back)</strong></td>
<td>46 mm</td>
<td>1.811 in.</td>
</tr>
<tr>
<td><strong>Height (top to bottom)</strong></td>
<td>254.5 mm</td>
<td>10.02 in.</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>215.18 mm</td>
<td>8.47 in.</td>
</tr>
<tr>
<td><strong>Approximate Weight</strong></td>
<td>1.3 kg</td>
<td>2.9 lb</td>
</tr>
</tbody>
</table>

**Temperature Range** (fanless design)*

| Operating**                | 10° to 40° C     | 50° to 104° F    |
| (max. rate of change is 10° C per hour or 18° F per hour) |                   |                   |
| Nonoperating               | -30° to 60° C    | -22° to 140° F   |
| (max. rate of change is 20° C per hour or 36° F per hour) |                   |                   |

*Specifications are at sea level with altitude derating of 1° C/300m (1.8° F/1000ft) to a maximum of 3Km (10,000ft), with no direct, sustained sunlight. Upper limit may be limited by the type and number of options installed.

**The operating temperature range when the thin client is attached to a flat panel using the HP Quick Release is 50° to 95° F (10° to 35° C).

**Relative Humidity** (non-condensing)

| Operating                  | 10–90%           | 10–90%           |
| (max. wet bulb temperature is 28° C or 84.2° F) |                   |                   |
| Nonoperating               | 5–95%            | 5–95%            |
| (max. wet bulb temperature is 38.7° C or 101.6° F) |                   |                   |

**Maximum Altitude** (unpressurized)

| Operating                  | 3048 m           | 10,000 ft        |
| (max. allowed rate of change is 457m per minute or 1500 ft per minute) |                   |                   |
| Nonoperating               | 9144 m           | 30,000 ft        |
| (max. allowed rate of change is 457m per minute or 1500 ft per minute) |                   |                   |

**Power Supply**

<p>| Operating Voltage Range     | 100–240 VAC      | 100–240 VAC      |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table A-1</strong>  HP Compaq t5730/t5735 Thin Client (continued)**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated Line Frequency</td>
<td>50–60 Hz</td>
<td>50–60 Hz</td>
</tr>
<tr>
<td><strong>Power Output</strong> (maximum)</td>
<td>50 W</td>
<td>50 W</td>
</tr>
<tr>
<td><strong>Rated Output Current</strong> (maximum)</td>
<td>4.16 A</td>
<td>4.16 A</td>
</tr>
<tr>
<td><strong>Output Voltage</strong></td>
<td>+12 V DC</td>
<td>+12 V DC</td>
</tr>
</tbody>
</table>
Securing the Thin Client

The HP Compaq t5730/t5735 thin client is designed to accept a security cable lock. This cable lock prevents unauthorized removal of the thin client, as well as locking the secure compartment. To order this option, visit the HP Web site at http://h30143.www3.hp.com/configure2.cfm.

1. Locate the cable lock slot on the back panel.
2. Insert the cable lock into the slot, and then use the key to lock it.

Figure B-1 Securing the thin client
C  Mounting the Thin Client

**HP Quick Release**

The HP Compaq t5730/t5735 thin client incorporates four mounting points on each side of the unit. These mounting points follow the VESA (Video Electronics Standards Association) standard, which provides industry-standard mounting interfaces for Flat Displays (FDs), such as flat panel monitors, flat displays, and flat TVs. The HP Quick Release connects to the VESA-standard mounting points, allowing you to mount the thin client in a variety of orientations.

**NOTE:** When mounting to a thin client, use the 10 mm screws supplied with the Quick Release Kit.

*Figure C-1  HP Quick Release*

To use the HP Quick Release with a VESA-configured thin client:

1. Using four 10 mm screws included in the mounting device kit, attach one side of the HP Quick Release to the thin client as shown in the following illustration.

   Figure C-2  Connecting the HP Quick Release to the thin client

2. Using four screws included in the mounting device kit, attach the other side of the HP Quick Release to the device to which you will mount the thin client. Make sure the release lever points upward.

   Figure C-3  Connecting the HP Quick Release to another device
3. Slide the side of the mounting device attached to the thin client (1) over the other side of the mounting device (2) on the device on which you want to mount the thin client. An audible 'click' indicates a secure connection.

**Figure C-4** Connecting the thin client

**NOTE:** When attached, the HP Quick Release automatically locks in position. You only need to slide the lever to one side to remove the thin client.

**CAUTION:** To ensure proper function of the HP Quick Release and a secure connection of all components, make sure both the release lever on one side of the mounting device and the rounded opening on the other side face upward.

**Supported Mounting Options**

The following illustrations demonstrate some of the supported and not supported mounting options for the mounting bracket.

- You can mount a thin client between a flat panel monitor and the wall.

**Figure C-5** Thin client mounted with flat panel on wall

- You can mount the thin client on the back of a flat panel monitor stand.
You can mount the thin client on a wall.

You can mount the thin client under a desk.
Non-supported Mounting Option

⚠️ **CAUTION:** Mounting a thin client in an non-supported manner could result in failure of the HP Quick Release and damage to the thin client and/or other equipment.

Do not mount the thin client on a flat panel monitor stand, between the panel and the stand.

**Figure C-9** Unsupported mounting position—thin client between stand and monitor
Routine Thin Client Care

Use the following information to properly care for your thin client:

- Never operate the thin client with the outside panel removed.
- Keep the thin client away from excessive moisture, direct sunlight, and extreme heat and cold. For information about the recommended temperature and humidity ranges for the thin client, see Specifications on page 20.
- Keep liquids away from the thin client and keyboard.
- Turn off the thin client and wipe the exterior with a soft, damp cloth as needed. Using cleaning products may discolor or damage the finish.

Supported Orientations

HP supports the following orientations for the thin client.

⚠️ CAUTION: You must adhere to HP-supported orientations to ensure your thin clients function properly.

- You can place the thin client vertically using the supplied stand.

Figure D-1  Vertical orientation

- You can lay the thin client horizontally on its rubber feet.
You can lay the thin client under a monitor stand with at least one inch of clearance.
Non-supported Orientation

HP does not support the following orientation for the thin client.

⚠️ **CAUTION:** Non-supported placement of thin clients could result in operation failure and/or damage to the devices.

**CAUTION:** Thin clients require proper ventilation to maintain operating temperature. Do not block the vents.

Do not put thin clients in drawers or other sealed enclosures. Do not place a monitor or other object on top of the thin client. Thin clients require proper ventilation to maintain operating temperatures.

**Figure D-4** Do not put thin clients in drawers or other sealed enclosures

![Figure D-4](image)

**Figure D-5** Do not place a monitor on the thin client

![Figure D-5](image)
A discharge of static electricity from a finger or other conductor may damage system boards or other static-sensitive devices. This type of damage may reduce the life expectancy of the device.

**Preventing Electrostatic Damage**

To prevent electrostatic damage, observe the following precautions:

- Avoid hand contact by transporting and storing products in static-safe containers.
- Keep electrostatic-sensitive parts in their containers until they arrive at static-free workstations.
- Place parts on a grounded surface before removing them from their containers.
- Avoid touching pins, leads, or circuitry.
- Always be properly grounded when touching a static-sensitive component or assembly.

**Grounding Methods**

There are several methods for grounding. Use one or more of the following methods when handling or installing electrostatic-sensitive parts:

- Use a wrist strap connected by a ground cord to a grounded Thin Client chassis. Wrist straps are flexible straps of 1 megohm +/- 10 percent resistance in the ground cords. To provide proper grounding, wear the strap snug against the skin.
- Use heelstraps, toestraps, or bootstraps at standing workstations. Wear the straps on both feet when standing on conductive floors or dissipating floor mats.
- Use conductive field service tools.
- Use a portable field service kit with a folding static-dissipating work mat.

If you do not have any of the suggested equipment for proper grounding, contact an HP authorized dealer, reseller, or service provider.

**NOTE:** For more information about static electricity, contact an HP authorized dealer, reseller, or service provider.
Shipping Preparation

Follow these suggestions when preparing to ship the thin client:

1. Turn off the thin client and external devices.
2. Disconnect the power cord from the electrical outlet, then from the thin client.
3. Disconnect the system components and external devices from their power sources, then from the thin client.
4. Pack the system components and external devices in their original packing boxes or similar packaging with sufficient packing material to protect them.

**NOTE:** For environmental nonoperating ranges, see Specifications on page 20.

Important Service Repair Information

In all cases, remove and safeguard all external options before returning the thin client to HP for repair or exchange.

In countries that support customer mail-in repair by returning the same unit to the customer, HP makes every effort to return the repaired unit with the same internal memory and flash modules that were sent.

In countries that do not support customer mail-in repair by returning the same unit to the customer, all internal options should be removed and safeguarded in addition to the external options. The thin client should be restored to the original configuration before returning it to HP for repair.
Index

A
access panel
  removing 14
  replacing 15
altitude specifications 20
antenna
  installing 5
  location 3

B
battery, replacing 17

C
cable lock slot location 3
cable lock, installing 22
cautions
  ambient temperature 12
  antenna mounting 5
  HP Quick Release 25
  mounting thin client 27
  static electricity 10
  thin client orientation 28, 30
  ventilation 30
components
  front panel 2
  keyboard 7
  mouse 8
  rear panel 4
  top 3

D
dimensions 20
diskette drive 19
downloads Web site 11
DVI-D connector location 4

E
electrostatic discharge 31
Ethernet connector location 4

F
feet, installing 5
Flash activity LED location 2
front panel components 2
function keys 8

G
grounding methods 31

H
hard drive 19
hardware specifications 20
hardware, upgrades 10
headphone connector location 2
HP Quick Release 23
humidity specifications 20

I
installation sequence 10
installing
  antenna 5
  cable lock 22
  external drives 19
  hardware 10
  HP Quick Release 23
  MultiBay diskette drive 19
  PCI expansion card 18
  PCI expansion module 18
  PCI Express expansion card 18
  rubber feet 5
  stand 6
  thin client onto HP Quick Release 23
  USB devices 1, 12, 17

K
keyboard
  function keys 8

L
line-out audio location 4
lock, cable, slot location 3

M
metal side cover
  removing 14
  replacing 15
microphone connector location 2
mounting options
  on back of monitor stand 25
  on wall 25
  under desk 25
  with flat panel on wall 25
mounting thin client 23
mouse functions 8

N
non-supported orientations
  in a drawer 30
  under a monitor 30

O
options
  installing 10
  PCI expansion module 18
  supported 10
  USB device 17

P
PCI expansion card, installing 18
PCI expansion module, installing 18
PCI Express expansion card, installing 18
power button location 2
power connector location 4
Index

power LED location 2
power output specifications 21
power supply specifications 20
preventing electrostatic damage 31
PS/2 connectors location 4

R
rated output current 21
rear panel components 4
relative humidity specifications 20
removing battery 17
metal side cover 14
secure USB compartment cover 12
side access panel 14
stand 6
replacing battery 17
metal side cover 15
secure USB compartment cover 12
side access panel 15
RJ-45 connector location 4
routine care 28
rubber feet, installing 5

S
secure USB compartment location 2, 3
ports 3
removing cover 12
replacing cover 12
security 22
serial connector location 4
serial number location 9
service repair 32
shipping preparation 32
shutting down 10
side access panel removing 14
replacing 15
side cover removing 14
replacing 15
specifications altitude 20
dimensions 20
hardware 20
humidity 20
wireless antenna
power output 21
power supply 20
rated output current 21
relative humidity 20
temperature 20
thin client 20
weight 20
stand installing 6
removing 6
supported mounting options 25
supported orientations horizontal 28
under monitor stand 28
vertical 28

temperature specifications 20
top components 3

U
unsupported mounting option 27
USB devices, installing 1, 12, 17
USB ports location 2, 4
secure 3
VGA connector location 4

W
warnings electric shock 10, 12, 14, 17, 18
fire 10
Web sites Altiris 1
downloads 11
external USB drives 19
HP hardware drivers 11
options 1, 22, 23
QuickSpecs 2
thin client hardware and software 1
thin client options 1
USB drive options 19
weight 20
Windows Logo Key 7
Windows logo key 8

34