Illustrated Parts & Service Map

HP Elite 7200 Series Microtower PC

Key Specifications

Processor Type
- Intel® Core™ i3
- Intel Core i5
- Intel Core i7

Maximum RAM
- 16 GB
- PC-3-10600 (1333MHz) DDR3 SDRAM

Expansion Slots
- 1 PCI x16
- 3 PCI x1

Temperatures
- Intel® HD graphics

Chipset
- Intel H57 Express

Drive Support
- External: (2) 5.25-inch and (1) 3.5-inch drive bays
- Internal: (2) 3.5-inch drive bays

I/O Interfaces
- Front: (3) USB ports, 1394, microphone, headphone
- Rear: (6) USB ports, (1) RJ-45, (1) 1394, (1) audio in, (1) audio out, (1) microphone, (1) surround center, (1) surround right, (1) surround left, (1) optical out, (1) VGA, (1) DVI

Operating Systems
- Windows® 7
- Windows XP Professional (downgrade from Windows 7)
- Windows Vista® Business
- Novell SUSE Linux Enterprise Desktop 11
- FreeDOS

Spare Parts

System Unit

1. Access panel
2. Power supply, 600W, 80+ PFC
3. Front bezel
4. Chassis

Mass Storage Devices

- DVD-RW and CD-RW drive with Lightscribe
- DVD-ROM drive
- BD Writer SuperMulti DL Drive with Lightscribe
- 1.5 TB, 7200-RPM SATA hard drive
- 1 TB SATA hard drive
- 750 GB SATA hard drive
- 500 GB SATA hard drive
- 320 GB SATA hard drive
- 250 GB, 7200-RPM SATA hard drive, 5.4 GB
- 250 GB, 7200-RPM SATA hard drive
- 190 GB, 7200-RPM SATA hard drive
- 250 GB hard drive, external USB

Keyboards (not illustrated)

- USB, low cost
- USB, low cost, blue
- 630886-DH1 (Nordic)*
- 537924-xxx

- Arabic
- Bulgarian
- Czech
- Danish
- Dutch
- French
- German
- Hebrew
- Hungarian
- Italian
- Norwegian
- Polish
- Portuguese
- Russian
- Slovakian
- Spanish
- Swedish
- Turkish

Mass Storage Devices (not illustrated)

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* Not shown

Cables

1. SATA IDE cable, 6.5 inch (16.5 cm)
2. SATA IDE cable, 9.5 inch (24 cm)
3. IDE to SATA adapter
4. Front IO assembly
5. Front switch/LED cable assembly

* Not shown

Keyboard Layouts
- Arabic
- Bulgarian
- Czech
- Danish
- Dutch
- French
- German
- Hebrew
- Hungarian
- Italian
- Norwegian
- Polish
- Portuguese
- Russian
- Slovakian
- Spanish
- Swedish
- Turkish

* 630886 only for -DH1 (Nordic)
Standard and Optional Boards

- **System Board**: Includes front fan backplate 604377-001
- **Memory modules**: (DDR3, PC3-10600)
  - 4 GB 503115-001
  - 2 GB 503103-001
  - 1 GB 503102-001

**Other boards**
- ATI Radeon HD 6970 1-GB graphics adapter, full height 640592-001
- ATI Radeon HD 6950 1-GB graphics adapter, full height 640589-001
- ATI Radeon HD 6930 1-GB graphics adapter, full height 640586-001
- ATI Radeon HD 6950 1-GB graphics adapter 635802-001
- ATI Radeon HD 6950 2-GB graphics adapter, standard bracket 635803-001
- ATI Radeon HD 6900 1-GB graphics adapter, standard bracket 610508-001
- ATI Radeon HD 6970 1-GB graphics adapter, includes bracket 638527-001
- ATI Radeon HD 6950 1-GB graphics adapter, includes bracket 638526-001
- ATI Radeon HD 6970 1-GB graphics adapter, includes bracket 640591-001
- ATI Radeon HD 6950 1-GB graphics adapter, includes bracket 638525-001
- ATI Radeon HD 6970 2-GB graphics adapter, full height 604217-001
- ATI Radeon HD 6950 2-GB graphics adapter, includes bracket 635502-001
- ATI Radeon HD 6950 1-GB graphics adapter, includes bracket 635497-001
- ATI Radeon HD 6450 1-GB graphics adapter 638132-001
- ATI Radeon HD 6450 1-GB graphics adapter, standard bracket 638133-001
- ATI Radeon HD 5570 1-GB graphics adapter 615792-001
- ATI Radeon HD 5570 1-GB graphics adapter 615793-001
- ATI Radeon HD 5450 1-GB graphics adapter, standard bracket 601155-001
- ATI Radeon HD 5450 512-MB graphics adapter, standard bracket 617079-001
- ATI Radeon HD 5450 1-GB graphics adapter, standard bracket 601156-001
- ATI Radeon HD 5450 512-MB graphics adapter, standard bracket 617078-001
- ATI Radeon HD 5350 512-MB graphics adapter, standard bracket 617077-001
- ATI Radeon HD 5350 512-MB graphics adapter 617076-001
- ATI Radeon HD 5250 256-MB graphics adapter, includes bracket 638595-001
- ATI Radeon HD 5250 256-MB graphics adapter, includes bracket 638596-001
- ATI Radeon HD 5250 256-MB graphics adapter, includes bracket 638597-001
- ATI Radeon HD 5250 256-MB graphics adapter, includes bracket 638598-001
- Intel Pro 1000 PT Gb Ethernet PCIe NIC, includes bracket 605897-001
- Intel Core processors (8-MB L3 cache, 1333-MHz FSB, quad core)
  - i7-2600S, 2.8-GHz processor, 65W 638419-001
  - i7-2600, 3.4-GHz processor 638415-001
- Intel Core processors (4-MB L3 cache, 1333-MHz FSB, dual core)
  - i5-2500S, 2.7-GHz processor, 65W 638414-001
  - i5-2500, 3.3-GHz processor 638413-001
  - i5-2400S, 2.5-GHz processor, 65W 638412-001
  - i3-2120, 3.3-GHz processor 638411-001
  - i3-2100, 3.1-GHz processor 638410-001

Miscellaneous Parts

- **Chassis fan** 687501-001
- **Heat sink, Intel Class F, with thermal material** 638410-001
- **Rubber feet** 370528-001
- **Mouse, optical, carbon** 844780-001
- **Mouse, USB laser** 751056-001

*Not shown

LP = Low profile

**System Board Connectors and Jumpers** (position of some untitled components may vary in location)

- **CPU_FAN1**: Primary CPU fan SPEAKER Speaker connector
- **DIMM1**: DIMM + (Channel A) CON1 Lautsprecher connector
- **DIMM2**: DDR3 + (Channel B) PCIE_X1_1 PCIe X1, slot 1
- **DIMM3**: DDR3 + (Channel B) PCIE_X1_2 PCIe X1, slot 2
- **DIMM4**: DDR3 + (Channel B) PCIE_X1_3 PCIe X1, slot 3
- **BATTERY**: Real-time-clock battery PCIE_X1_4 PCIe X1, slot 4
- **PWR**: Main power PCIE_X1_5 PCIe X1, slot 5
- **CMOSPW**: CMOS password header PCIE_X1_6 PCIe X1, slot 6
- **HDD1**: Primary IDE connector CON1 IDE connector
- **HDD2**: Secondary IDE connector CON2 IDE connector
- **USB1**: Primary USB connector USB1 Connector
- **USB2**: Secondary USB connector USB2 Connector
- **USB3**: USB connector USB3 Connector
- **USB4**: Rear USB connector USB4 Connector
Setup Utility

Basic system information is in the Setup Utility held in the system BIOS, accessed by pressing F10 when prompted on screen during the boot sequence.

Computer Setup Menu

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time</td>
<td>Allows you to set system time.</td>
</tr>
<tr>
<td>Date</td>
<td>Allows you to set system date.</td>
</tr>
<tr>
<td>Language</td>
<td>Allows you to select the language.</td>
</tr>
<tr>
<td>BIOS</td>
<td>Uses your system's BIOS version.</td>
</tr>
<tr>
<td>Model</td>
<td>Allows you to identify the model number.</td>
</tr>
<tr>
<td>Serial</td>
<td>Allows you to manually enter the serial number.</td>
</tr>
<tr>
<td>Tag</td>
<td>Allows you to manually enter the asset tag.</td>
</tr>
<tr>
<td>Product</td>
<td>Number</td>
</tr>
</tbody>
</table>

Advanced Setup Menu

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Password</td>
<td>Allows you to view the user password.</td>
</tr>
<tr>
<td>Supervisor Password</td>
<td>Allows you to view the supervisor password.</td>
</tr>
<tr>
<td>User/Supervisor Password</td>
<td>Allows you to view or edit the password.</td>
</tr>
<tr>
<td>Onboard LAN</td>
<td>Enables or disables the onboard LAN controller.</td>
</tr>
<tr>
<td>ESC Boot Menu</td>
<td>Allows you to enable/disable boot from ESC menu.</td>
</tr>
<tr>
<td>F9 Diagnostics</td>
<td>Enables or disables Diagnostics menu.</td>
</tr>
<tr>
<td>F11 Setup</td>
<td>Enables or disables setup menu.</td>
</tr>
<tr>
<td>F11 Recovery</td>
<td>Enables or disables recovery menu.</td>
</tr>
<tr>
<td>F12 Boot from LAN</td>
<td>Enables or disable boot from LAN option.</td>
</tr>
</tbody>
</table>

Power

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Power Failure</td>
<td>Enables or disables AC power failure mode.</td>
</tr>
<tr>
<td>Battery</td>
<td>Enables or disables battery backup.</td>
</tr>
<tr>
<td>XT (Extended Temperature)</td>
<td>Enables or disables XT temperature.</td>
</tr>
<tr>
<td>WOL from S5</td>
<td>Enables or disables WOL from S5.</td>
</tr>
</tbody>
</table>

Boots

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best Time Diagnostic</td>
<td>Displays boot test diagnostic progress.</td>
</tr>
<tr>
<td>Best Device Priority</td>
<td>Enables or disables boot device priority.</td>
</tr>
<tr>
<td>Boot Device Priority</td>
<td>Enables or disables boot device priority.</td>
</tr>
<tr>
<td>Chipset Boot Priority</td>
<td>Enables or disables chip set boot priority.</td>
</tr>
<tr>
<td>Hard Drive Boot Priority</td>
<td>Enables or disables hard drive boot priority.</td>
</tr>
<tr>
<td>Network Boot Priority</td>
<td>Enables or disables network boot priority.</td>
</tr>
<tr>
<td>Print Server</td>
<td>Enables or disables print server boot priority.</td>
</tr>
<tr>
<td>Boot Settings Changes</td>
<td>Enables or disables boot settings changes.</td>
</tr>
<tr>
<td>Boot Detecting Changes</td>
<td>Enables or disables boot detecting changes.</td>
</tr>
<tr>
<td>Boot Settings Defaults</td>
<td>Enables or disables boot settings defaults.</td>
</tr>
<tr>
<td>Boot Changing Changes</td>
<td>Enables or disables boot changing changes.</td>
</tr>
<tr>
<td>Boot Settings Defaults</td>
<td>Enables or disables boot settings defaults.</td>
</tr>
</tbody>
</table>

Recovering the Configuration Settings

To restore the BIOS Setup options to their default values (including options for Ctrl-F10), you must enter F10 Setup mode and press F10. This does not include updates to system date, system time, supervisor password, user password, and CPU frequency multiplier.

Password Security

This computer supports security password features, which can be enabled through the Computer Setup Utilities menu.

This computer supports two security password features that are enabled through the Computer Setup Utilities menu: setup password and power-on password. When you establish only a setup password, any user can access all the information on the computer except Computer Setup. When you establish only a power-on password, the power-on password is required to access Computer Setup and any other information on the computer. When you establish both passwords, only the setup password will give you access to Computer Setup. When both passwords are not set, the setup password can be used in place of the power-on password as an override to log in to the computer. This is useful for an administrator.

If you forget the password for the computer, you can clear that password so you can regain access to the information on the computer by inserting the password jumper into the computer.

Reseting the password jumper

1. Shut down the computer. With the power cord disconnected, press the power button again to display the system of any residual power. |
2. Remove the access panel. |
3. Locate the header and jumper labeled JP1. |
4. Remove the jumper from pins 1 and 2 and put the jumper on pins 2 and 3. |
5. Replace the access panel. |
6. Plug in and turn on power. Allow the operating system to start. This clears the current passwords and disables the password feature. |
7. To establish new passwords, repeat steps 1 - 4, replace the jumper on pins 1 and 2, then reapply steps 5 - 6. Enable new passwords in Computer Setup.

Reseting the CMOS jumper

The CMOS button resets CMOS but does not clear the power-on and setup passwords.
1. Turn off the computer and any external devices, and disconnect power. |
2. Remove the access panel. |
3. Locate the header and jumper labeled JP1. |
4. Remove the CMOS jumper from pins 1 and 2 and put the jumper on pins 2 and 3. This clears the CMOS. |
5. Put the jumper back on pins 1 and 2. |
6. Replace the access panel, external devices, and reconnect the power cord. |
7. Turn on the computer.

Use Computer Setup to reset any option or system setup along with the date and time.

HP Vision Diagnostics

The Horizon-Packaged Vision Diagnostic utility allows you to view information about the hardware configuration of the computer and perform hardware diagnostic tests on the subsystems of the computer. The utility simplifies the process of effectively identifying, diagnosing, and solving hardware issues.

The service tab is displayed when you invoke HP Vision Diagnostics. This tab shows the current configurations of the computer. From the service tab, you can access a variety of categories of information about the computer. Other tabs provide additional information, including diagnostic test options and test results. The information in each screen of the utility can be saved on an HTML file and printed on a USB flash drive.

Use HP Vision Diagnostics to determine if all the devices installed on the computer are recognized by the system and functioning properly. Running time is optional but recommended after installing or connecting a new device.

Vision Diagnostics may be found on the CD that shipped with some computer models. The tool may also be downloaded from the HP Web site using the following procedure:

2. Click the Software & Drivers tab.
3. Select Download drivers and software (and firmware).
4. Enter the product number in the text box and press Enter.
5. Select the appropriate product.
6. Select the OS.
7. Click the Diagnostic link.
8. Click Horizon-Packaged Vision Diagnostic.
9. Click Download.

NOTE: The downloading includes instructions on how to create a bootable CD or USB flash drive.

POST Front Panel LEDs and Audio Codes

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 short, 1 long, 3 short</td>
<td>Indicates a fan failure.</td>
</tr>
<tr>
<td>2 short, 1 long, 3 short, 1 long</td>
<td>Indicates a memory problem.</td>
</tr>
</tbody>
</table>
| 2 short, 1 long, 3 short, 1 long, 3 short, 1 long | Indicates a system failure.

Beeps/POST Front Panel LEDs and Audible Codes

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP1</td>
<td>Indicates a fan failure.</td>
</tr>
<tr>
<td>HP2</td>
<td>Indicates a memory problem.</td>
</tr>
</tbody>
</table>
| HP3 | Indicates a system failure.

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