1. External 5.25" drive bay for optional optical drive
2. Internal 3.5" hard drive bay
3. Power supply
4. Rear I/O includes: USB 2.0 ports (see page 7); network, video, audio, and other interfaces (see page 7)
5. PCIe, and MiniCard slots (select models) See page 7 for details.
6. Front I/O includes: (2) USB 2.0 ports, dedicated headphone output, and microphone jack
7. HP USB Scroll Mouse
8. HP USB Keyboard
9. Monitor (sold separately)

At A Glance
- Genuine Windows 7 versions, Genuine Windows Vista versions, Genuine Windows XP Professional available through downgrade rights from Windows 7 Professional, SuSE Linux Enterprise Desktop 11, or FreeDOS
- Choice of Intel® processor (varies by model)
- Choice of integrated graphics or ATI or NVIDIA graphics cards
- Up to 8 GB (HP Pro 3120) or 16 GB (HP Pro 3130) DDR3 SDRAM system memory available standard
- Up to 2 TB 3.0 Gb/s SATA hard drive
- HP SuperMulti LightScribe DVD Writer
- Integrated Realtek 8111DL Gigabit Ethernet Controller
- HP Wireless 802.11 b/g/n
- HP USB Internal Bluetooth module
- USB 2.0 ports
- VGA and DVI-D video ports
- Legacy serial and PS/2 ports (HP Pro 2110 only)
- Protected by HP Services. Terms and conditions vary by country. Certain restrictions and exclusions apply.
Standard Features (availability varies by configuration and by country)

Processors

Intel Celeron® Processors (HP Pro 2110 and 3120 only):
Intel Celeron 450 Processor (2.2 GHz, 512 KB L2 cache, 800 MHz FSB)

Intel Celeron Dual-Core Processors (HP Pro 2110 and 3120 only):
Intel Celeron E3300 Processor (2.5 GHz, 1 MB L2 cache, 800 MHz FSB)

Intel Pentium® Dual Core Processors (HP Pro 2110 and 3120 only):
Intel Pentium E5400 Processor (2.7 GHz, 2 MB L2 cache, 800 MHz FSB)
Intel Pentium E5500 Processor (2.8 GHz, 2 MB L2 cache, 800 MHz FSB)
Intel Pentium E6500 Processor (2.93 GHz, 2 MB L2 cache, 1066 MHz FSB)
Intel Pentium E6600 Processor (3.06 GHz, 2 MB L2 cache, 1066 MHz FSB)

Intel Pentium® Dual Core Processors (HP Pro 3130 only):
Intel Pentium G6950 Processor (2.8 GHz, 3 MB L2 cache, 1066 MHz FSB)

Intel Core®2 Duo Processors (HP Pro 2110 and 3120 only):
Intel Core 2 Duo E6700 Processor (2.66 GHz, 4 MB L2 cache, 1066 MHz FSB)
Intel Core 2 Duo E7500 Processor (2.93 GHz, 3 MB L2 cache, 1066 MHz FSB)
Intel Core 2 Duo E8500 Processor (3.16 GHz, 6 MB L2 cache, 1333 MHz FSB)

Intel Core2 Duo Processors (HP Pro 3120 only):
Intel Core 2 Duo E7600 Processor (3.06 GHz, 3 MB L2 cache, 1066 MHz FSB)

Intel Core 2 Quad Processors (HP Pro 2110 and 3120 only):
Intel Core 2 Quad Q8400 Processor (2.66 GHz, 4 MB L2 cache, 1333 MHz FSB)
Intel Core 2 Quad Q9500 Processor (2.83 GHz, 6 MB L2 cache, 1333 MHz FSB)

Intel Core 2 Quad Processors (HP Pro 3120 only):
Intel Core 2 Quad Q8300 Processor (2.5 GHz, 4 MB L2 cache, 1333 MHz FSB)

Intel Core i3 Processors (HP Pro 3130 only):
Intel Core i3-530 Processor (2.93 GHz, 4 MB Intel Smart Cache, DMI 2.5 GT/s)
Intel Core i3-540 Processor (3.06 GHz, 4 MB Intel Smart Cache, DMI 2.5 GT/s)
Intel Core i3-550 Processor (3.20 GHz, 4 MB Intel Smart Cache, DMI 2.5 GT/s)

Intel Core i5 Processors (HP Pro 3130 only):
Intel Core i5-650 Processor (3.20 GHz, 4 MB Intel Smart Cache, DMI 2.5 GT/s)
   Up to 3.46 GHz with Intel Turbo Boost Technology
Intel Core i5-660 Processor (3.33 GHz, 4 MB Intel Smart Cache, DMI 2.5 GT/s)
   Up to 3.6 GHz with Intel Turbo Boost Technology
Intel Core i5-750 Processor* (2.66 GHz, 8 MB Intel Smart Cache, DMI 2.5 GT/s)
Up to 3.2 GHz with Intel Turbo Boost Technology

Intel Core i7 Processors (HP Pro 3130 only):
Intel Core i7-860 Processor* (2.8 GHz, 8 MB Intel Smart Cache, DMI 2.5 GT/s)
Up to 3.46 GHz with Intel Turbo Boost Technology
Intel Core i7-870 Processor* (2.93 GHz, 8 MB Intel Smart Cache, DMI 2.5 GT/s)
Up to 3.6 GHz with Intel Turbo Boost Technology
Intel Core i7-880 Processor* (3.06 GHz, 8 MB Intel Smart Cache, DMI 2.5 GT/s)
Up to 3.73 GHz with Intel Turbo Boost Technology

* These processor configurations do not have integrated graphics and require a graphics card.
NOTE: Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families.

** System may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See http://www.microsoft.com/windows/windows-7/ for details.


*** Windows XP Professional is preinstalled on this system and includes end user rights and media for Windows 7 Professional. You may only use one version at a time. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
### Standard Features (availability varies by configuration and by country)

#### Chipset
- HP Pro 2110: Intel G41 Express Chipset
- HP Pro 3120: Intel G43 Express Chipset
- HP Pro 3130: Intel H57 Express Chipset

#### Graphics

<table>
<thead>
<tr>
<th>HP Pro SFF Model</th>
<th>Graphics Cards</th>
</tr>
</thead>
<tbody>
<tr>
<td>2110</td>
<td>ATI Radeon HD 4350 HDMI (512MB) LP PCIe x16 Graphics Card</td>
</tr>
<tr>
<td>3120</td>
<td>ATI Radeon HD 4550 (512MB) DH PCIe x16 Graphics Card</td>
</tr>
<tr>
<td>3130</td>
<td>ATI Radeon HD 5450 (1GB) LP PCIe x16 Graphics Card</td>
</tr>
<tr>
<td></td>
<td>ATI Radeon HD 5450 (512MB) LP PCIe x16 Graphics Card</td>
</tr>
<tr>
<td></td>
<td>NVIDIA GeForce G210 HDMI (512MB) PCIe x16 Graphics Card</td>
</tr>
<tr>
<td></td>
<td>NVIDIA GeForce GT220 (1GB) LP PCIe x16 Graphics Card</td>
</tr>
<tr>
<td></td>
<td>NVIDIA GeForce GT315 (1GB) PCIe x16 Graphics Card</td>
</tr>
<tr>
<td></td>
<td>NVIDIA GeForce GT315 (512MB) PCIe x16 Graphics Card</td>
</tr>
<tr>
<td></td>
<td>NVIDIA GeForce GT320 (1GB) LP PCIe x16 Graphics Card</td>
</tr>
</tbody>
</table>

**NOTE:** HP Pro 3130 with any Intel Core i7 processor or an Intel Core i5-750 processor has no integrated graphics and requires a graphics card.

#### System Memory

<table>
<thead>
<tr>
<th>Memory Type</th>
<th>Expansion Slots</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC3-10600 DDR3 SDRAM (1066/1333MHz) non-ECC</td>
<td>Two (2) DIMM slots in HP Pro 2110</td>
</tr>
<tr>
<td></td>
<td>Four (4) DIMM slots in HP Pro 3120 and 3130</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum Memory*</th>
<th>Standard Configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 GB in HP Pro 2110</td>
<td>1-GB (1 x 1GB)</td>
</tr>
<tr>
<td>8 GB in HP Pro 3120</td>
<td>2-GB (2 x 1GB)</td>
</tr>
<tr>
<td>16 GB in HP Pro 3130</td>
<td>2-GB (1 x 2GB)</td>
</tr>
<tr>
<td></td>
<td>3-GB (1 x 1GB + 1 x 2GB)</td>
</tr>
<tr>
<td></td>
<td>3-GB (3 x 1GB) HP Pro 3120 and 3130 only</td>
</tr>
<tr>
<td></td>
<td>4-GB (4 x 1GB) HP Pro 3120 and 3130 only</td>
</tr>
<tr>
<td></td>
<td>4-GB (2 x 2GB)</td>
</tr>
<tr>
<td></td>
<td>4-GB (1 x 4GB) HP Pro 3130 only</td>
</tr>
<tr>
<td></td>
<td>6-GB (3 x 2GB) HP Pro 3120 and 3130 only</td>
</tr>
<tr>
<td></td>
<td>8-GB (4 x 2GB) HP Pro 3120 and 3130 only</td>
</tr>
<tr>
<td></td>
<td>8-GB (2 x 4GB) HP Pro 3130 only</td>
</tr>
<tr>
<td></td>
<td>16-GB (4 x 4GB) HP Pro 3130 only</td>
</tr>
</tbody>
</table>
NOTE: Memory runs at maximum system supported speed of 1066 MHz, or at 800 MHz when processor has 800 MHz FSB.

* For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system.

<table>
<thead>
<tr>
<th>Storage</th>
<th>Hard Drive (SATA)</th>
<th>3.5-inch, 7200 rpm, 3.0 Gb/s SATA Hard Drive (NCQ, SMART):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>160 GB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>250 GB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>320 GB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 GB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>640 GB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>750 GB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 TB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.5 TB</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 TB</td>
</tr>
<tr>
<td>Optical Drive (SATA)</td>
<td>SuperMulti LightScribe DVD Writer</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bays</th>
<th>Internal</th>
<th>One (1) 3.5-inch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>External</td>
<td>One (1) 5.25-inch</td>
</tr>
</tbody>
</table>
### Drive Support

<table>
<thead>
<tr>
<th>Drive Support</th>
<th>Maximum Quantity Supported</th>
<th>Position Supported</th>
<th>Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP SuperMulti LightScribe Drive</td>
<td>1</td>
<td>1</td>
<td>SATA</td>
</tr>
<tr>
<td>3.5” Serial ATA Hard Drive</td>
<td>1</td>
<td>2</td>
<td>SATA</td>
</tr>
</tbody>
</table>

### Slots

<table>
<thead>
<tr>
<th></th>
<th>HP Pro SFF Model</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2110</td>
</tr>
<tr>
<td># PCI Express x1 slots</td>
<td>1</td>
</tr>
<tr>
<td># PCI Express x16 slots</td>
<td>1</td>
</tr>
<tr>
<td># MiniPCI slots</td>
<td>0</td>
</tr>
</tbody>
</table>

### Communication

- Integrated Realtek 8111DL Gigabit Ethernet Controller
- Intel Gigabit CT Desktop NIC
- LSI PCIe x1 56K International SoftModem
- HP Wireless 802.11 b/g/n PCIe x1 Card
- HP USB Internal Bluetooth module

### USB Support

<table>
<thead>
<tr>
<th>USB Support</th>
<th>HP Pro SFF Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHCI high-speed USB 2.0 controller</td>
<td></td>
</tr>
<tr>
<td># External USB 2.0 ports</td>
<td>2110</td>
</tr>
<tr>
<td>Front</td>
<td>2</td>
</tr>
<tr>
<td>Rear</td>
<td>4</td>
</tr>
</tbody>
</table>

Optional HP USB 3.0 SuperSpeed low profile PCIe x1 card

### Interfaces

**HP Pro 2110**
- One (1) analog VGA video port
- One (1) DVI-D video port
- One (1) RJ45 network port
- One (1) audio in; one (1) audio out; one (1) microphone in
- One (1) serial port
- Two (2) PS/2 ports (keyboard and mouse)
- Support for an optional parallel port

**HP Pro 3120 and 3130**
- One (1) analog VGA video port
- One (1) DVI-D video port
- One (1) RJ45 network port
- One (1) SPDIF out
- One (1) audio in; 5.1/7.1 audio channel out; one (1) microphone in
## Standard Features (availability varies by configuration and by country)

### Audio

- Realtek ALC662 High Definition audio codec in HP Pro 2110
- Realtek ALC888S High Definition audio codec in HP Pro 3120 and 3130

### Input Devices

**Keyboard – One of the following**
- HP USB Standard Keyboard
- HP USB Mini Keyboard
- HP USB Smartcard Keyboard
- HP PS/2 Standard Keyboard (HP Pro 2110 only)

**Mouse – One of the following**
- USB 2-Button Optical Scroll Mouse
- USB 2-Button Laser Mouse
- HP PS/2 Optical Mouse (HP Pro 2110 only)

### Miscellaneous

- USB to Serial Adapter

### Software

**Preinstalled software (varies by country)**

- 2007 Microsoft Office Ready PC
- Microsoft Office 2007 Small Business
- Microsoft Office 2007 Professional
- Microsoft Office 2010 Professional
- Microsoft Office Home and Business 2010
- Microsoft Office Home and Student 2010
- Microsoft Office Starter 2010
- Microsoft Windows Virtual PC - XP
- Mozilla Firefox for HP Virtual Solutions
- Hard Disk Partitioning
- Roxio Creator Business 10 HD*
- Corel WinDVD 8**
- McAfee Total Protection Anti-Virus**
- PDF Complete
- 2008 Intel Matrix Storage Manager
- HP Power Manager v2.0
- HP ProtectTools Suite SMB
- HP Total Care Advisor
- USB Port Disable
- Sun Java Runtime Environment
- HP Sky Room 1.x

* Supporting software available with certain optical drive configurations.
** 60 day trial period for McAfee Total Protection for Small Business software. Internet access required to receive updates. First update included. Subscription required for updates thereafter.

### Security

- Padlock loop
- Kensington Lock Support
Standard Features (availability varies by configuration and by country)

**Power Supply**

<table>
<thead>
<tr>
<th>Model</th>
<th>220W active PFC</th>
<th>270W active PFC</th>
<th>270W active PFC ESTAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Voltage Range</td>
<td>100 to 240VAC</td>
<td>100 to 240VAC</td>
<td>100 to 240VAC</td>
</tr>
<tr>
<td>115V/230V Line switch</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Service and Support**

On-site Warranty[^1]: 1-1-1, 3-1-1, 3-3-3, 3-3-3 limited, 4-4-4, 5-5-5 limited warranty delivers on-site, next business-day[^2] service for parts and labor and includes free telephone support[^3] 24 x 7. Global coverage[^2] ensures that any product purchased in one country and transferred to another non-restricted country will remain fully covered under the original warranty and service offering. One-year onsite and labor are not available in all countries.

**NOTE 1:** Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region.

**NOTE 2:** On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country.

**NOTE 3:** Technical telephone support applies only to HP-configured Compaq and third-party HP-qualified hardware and software. Toll-free calling and 24 x 7 support may not be available in some countries.

[^1]: Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region.

[^2]: On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country.

[^3]: Technical telephone support applies only to HP-configured Compaq and third-party HP-qualified hardware and software. Toll-free calling and 24 x 7 support may not be available in some countries.
### Communications NICs
- Intel Gigabit CT Desktop NIC
- HP Wireless 802.11/b/g/n PCIe x1

### Wireless LAN
- HP Wireless 802.11/b/g/n PCIe x1

### Modems
- LSI PCIe x1 56K International SoftModem

### Hard Disk Drives
- HP 1-TB SATA 3.0-Gb/s Hard Drive
- HP 500-GB SATA 3.0-Gb/s Hard Drive
- HP 320-GB SATA 3.0-Gb/s Hard Drive
- HP 250-GB SATA 3.0-Gb/s Hard Drive
- HP 160-GB SATA 3.0-Gb/s Hard Drive

### Input Devices Keyboards
- HP USB JB Standard Keyboard
- HP USB Smartcard Keyboard (Carbonite/Silver)
- HP USB Mini Keyboard
- HP 2.4GHz Wireless Keyboard & Mouse

### Mice
- HP USB 2-Button Optical Scroll Mouse
- HP USB 2-Button Laser Mouse

### I/O Adapter
- Belkin USB to Serial adapter

### Memory
- HP 1GB PC3-10600 (DDR3-1333) DIMM
- HP 2GB PC3-10600 (DDR3-1333) DIMM
- HP 4GB PC3-10600 (DDR3-1333) DIMM

### Audio
- HP Thin USB Powered Speakers

### Graphics
- ATI Radeon HD 4350 HDMI (512MB) LP PCIe x16 Graphics Card
- NVIDIA GeForce G210 HDMI (512MB) LP PCIe x16 Graphics Card
- HP DMS59 DVI Dual-head Connector Cable

### Optical Drives
- HP 16X SATA SuperMulti LightScribe DVD Drive BLK
- HP 16X SATA Blu-ray Writer BLK
### QuickSpecs

**HP Pro 2100/3100 Series Small Form Factor Business PCs**

**After-Market Options (availability varies by configuration and by country)**

<table>
<thead>
<tr>
<th>Security</th>
<th>Product Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HP/Kensington MicroSaver Security Cable Lock</td>
<td>PC766A</td>
</tr>
<tr>
<td></td>
<td>HP Chassis (dc) Security Kit</td>
<td>AR639AA</td>
</tr>
</tbody>
</table>
System Unit Specifications

System Unit

Dimensions (HxWxD) 4.43 x 12.25 x 15.33 in
112.5 x 311 x 389.4 mm

Weight 14.74 lb (6.69 kg)

Packaging Dimensions (DxLxW) 22.13 x 19.33 x 9.65 in
562.1 x 491 x 245.1 mm

Shipping Weight 40.77 lb (18.49 kg)

Temperature
Operating 41° to 95° F (5° to 35° C)
Non-operating –22° to 149° F (–30° to 65° C)

Relative Humidity
Operating 10% to 90% (non-condensing at ambient)
Non-operating 5% to 95% (non-condensing at ambient)

Shock
Operating 35 G, half-sine
Non-operating 30 G, half-sine

Maximum Altitude
Operating 10,000 ft (3048 m)
Non-operating 30,000 ft (9144 m)

For accessibility information on HP products, please visit: http://www.hp.com/accessibility.

Unit Environment and Operating Conditions

General Unit Operating Guidelines

- Keep the computer away from excessive moisture, direct moisture and the extremes of heat and cold, to ensure that unit is operated within the specified operating range.
- Leave a 4 in (10.2 cm) clearance on all vented sides of the computer to permit the required airflow.
- Never restrict airflow into the computer by blocking any vents or air intakes.
- Do not stack computers on top of each other or place computers so near each other that they are subject to each other’s re-circulated or preheated air.
- Occasionally clean the air vents on the front, back, and any other vented side of the computer. Lint, dust and other foreign matter can block the vents and limit the airflow.
- If the computer is to be operated within a separate enclosure, intake and exhaust ventilation must be provided on the enclosure, and the same operating guidelines listed above will still apply.
Eco-Label Certifications & declarations

This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:

- IT ECO declaration

HP Pro 2110 Small Form Factor Business PC, HP Pro 3120 Small Form Factor Business PC and HP Pro 3130 Small Form Factor Business PC

<table>
<thead>
<tr>
<th>Energy Consumption</th>
<th>115 VAC</th>
<th>230 VAC</th>
<th>100 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Operation</td>
<td>43.149 W</td>
<td>42.826 W</td>
<td>43.061 W</td>
</tr>
<tr>
<td>Sleep (Energy Star low power mode)</td>
<td>2.2186 W</td>
<td>2.3853 W</td>
<td>2.2152 W</td>
</tr>
<tr>
<td>Off</td>
<td>0.3361 W</td>
<td>0.4891 W</td>
<td>0.3250 W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Heat Dissipation*</th>
<th>115 VAC</th>
<th>230 VAC</th>
<th>100 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Operation</td>
<td>148 BTU/hr</td>
<td>146 BTU/hr</td>
<td>147 BTU/hr</td>
</tr>
<tr>
<td>Sleep</td>
<td>8 BTU/hr</td>
<td>8 BTU/hr</td>
<td>8 BTU/hr</td>
</tr>
<tr>
<td>Off</td>
<td>1 BTU/hr</td>
<td>2 BTU/hr</td>
<td>1 BTU/hr</td>
</tr>
</tbody>
</table>

* Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)

<table>
<thead>
<tr>
<th>System Fan Off</th>
<th>Sound Power (LWAd, bels)</th>
<th>Sound Pressure (LpAm, decibels)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Idle</td>
<td>3.8</td>
<td>33</td>
</tr>
<tr>
<td>Fixed Disk (random writes)</td>
<td>4.4</td>
<td>34</td>
</tr>
</tbody>
</table>

Batteries

This battery(s) in this product comply with EU Directive 2006/66/EC

Batteries used in the product do not contain:

- Mercury greater than 5ppm by weight
- Cadmium greater than 10ppm by weight

Battery size: CR2032 (coin cell)
Battery type: Lithium

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.
- This product contains 0% post consumer recycled plastic (by wt.)
- This product is 95% recyclable when properly disposed of at end of life.

Packaging Materials
System Unit Specifications

- External:
  - Corrugated Carton 1305 g
  - Corrugated 1120 g
- Internal:
  - EPS (Expanded Polystyrene) 51 g
  - Polystyrene Foam 22 g
- The Corrugated Carton packaging material is made from 82% recycled content.
- The EPS (Expanded Polystyrene) packaging material is made from 82% recycled content
- The Polystyrene Foam packaging material is made from 82% recycled content

RoHS Compliance

Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at: http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants - may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Bipheny Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)
- Nickel finishes that release greater than 0.5 micro-grams/cm^2/week, measured according to EN 1811:1998, are not used on any product surface designed to be frequently handled or touched by users.

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
Reduce size and weight of packages to improve transportation fuel efficiency.

Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

For more information about HP's commitment to the environment:

Global Citizenship Report

Eco-label certifications

ISO 14001 certificates:
http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html