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 10.2 cm (4 in) 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 recirculated 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.

Temperature Range Operating: 32° to 104° F (0° to 40° 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)

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

Power Supply

300W active PFC; standard efficiency; 200-240 VAC; 50/60 Hz

Power Cord Length: 6.0 ft. (1.83 m)

WEIGHTS & DIMENSIONS (configured with 1 HDD and 1 ODD)

 Chassis
 14.37 x 6.50 x 14.69 in

 (H x W x D)
 365 x 165 x 373 mm

 System Volume
 1,372.12 cu in (22.46 L)

 Packaging
 10.31 x 20.55 x 19.61 in

 (H x W x D)
 262 x 522 x 498mm

 System Weight*
 21.16 lbs / 9.60 kgs

 Shipping Weight*
 27.56 lb/12.5 kg

INTEL HD GRAPHICS

VGA Controller Integrated

DisplayPort 1.1a; integrated, multimode capable; supports HDCP and audio over DisplayPort

Bus TypePCI Express x16RAMDACIntegrated, 350 MHz

Intel graphics do not have dedicated memory but utilizes some of the computer's system memory The amount of memory used for graphics depending on the amount of system



^{*} Operating temperature is de-rated 1.0 deg C per 300 m (1000 ft) to 3000 m (10,000 ft) above sea level, no direct sustained sunlight. Maximum rate of change is 10 deg C/Hr. The upper limit may be limited by the type and number of options installed.

QuickSpecs

HP Elite 7500 MT Business PC (EMEA only)

Technical Specifications

Memory

memory installed, BIOS settings, operating system, and system load. 32 MB is pre-allocated for graphics use at system boot time. Additional memory can be allocated at boot time by the BIOS for PAVP (Protected Audio Video Playback) support for playback of protected video content.

Additional memory is allocated for graphics as needed using Intel's Dynamic Video Memory Technology (DVMT), to provide an optimal balance between graphics and system memory use.

Maximum Graphics Memory

Microsoft Windows XP

Microsoft Windows 7

Up to 1GB

Up to 1.7GB

NOTE: the actual amount of maximum graphics memory can be less than the amounts listed above depending upon your computer's configuration.

HW Video Decode Maximum Color Depth

AVC/VC1/MPEG2/JPEG/MJPEG/PAVP

32 bits/pixel

3rd Generation Core processors:

- The Processor Graphics contains a refresh of the seventh generation graphics core enabling substantial gains in performance and lower power consumption. Up to 16 EU support.
- Next Generation Intel Clear Video Technology HD Support is a collection of video playback and enhancement features that improve the end user's viewing experience
 - O Encode/transcode HD content
 - Playback of high definition content including Blu-ray Disc
 - O Superior image quality with sharper, more colorful images
 - Playback of Blu-ray disc S3D content using HDMI (V.1.4 with 3D)
- DirectX Video Acceleration (DXVA) support for accelerating video processing
 - O Full AVC/VC1/MPEG2 HW Decode
- Advanced Scheduler 2.0, 1.0, XPDM support
- Windows 7, Windows XP, OSX, Linux OS Support
- DirectX 11, DirectX 10.1, DirectX 10, DirectX 9 support
- OpenGL 3.3 support

Graphics/Video API Support

2nd Generation Core processors:

- The Processor Graphics contains a refresh of the sixth generation graphics core enabling substantial gains in performance and lower power consumption.
- Next Generation Intel Clear Video Technology HD support is a collection of video playback and enhancement features that improve the end user's viewing experience.
 - Encode/transcode HD content
 - O Playback of high definition content including Blu-ray Disc
 - O Superior image quality with sharper, more colorful images
 - Playback of Blu-ray disc S3D content using HDMI (V.1.4 with 3D)
- DirectX Video Acceleration (DXVA) support for accelerating video processing
 - Full AVC/VC1/MPEG2 HW Decode
- Advanced Scheduler 2.0, 1.0, XPDM support
- Windows 7, XP, Windows Vista, OSX, Linux OS Support
- DirectX 10.1, DirectX 10, DirectX 9 support
- OpenGL 3.0 support

Supported Display Resolutions and Refresh Rates

NOTE: other resolutions may be available but are not recommended as they may not have been tested and qualified by HP



Resolution	Analog	Digital
640x480	85	60
800x600	85	60
1024x768	85	60
1280x720	85	60
1280x1024	85	60
1440x900	75	60
1600x1200	85	60
1680x1050	75	60
1920x1080	85	60-R
1920x1200	85	60-R
1920x1440	85	N/A
2048x1536	75	N/A
2560x1600	N/A	60*

^{*} Only supported when using a DisplayPort connection

NOTE: Other resolutions may be available but are not recommended as the may not have been tested and qualified by HP

NOTE: 60-R denotes reduced blanking timings are used on single-link DVI connections and may be used with other digital connections

ENVIRONMENTAL INFORMATION

Eco-Label Certifications & This product has received or is in the process of being certified to the following approvals and may be **Declarations** labeled with one or more of these marks:

• IT ECO declaration

System Configuration

The configuration used for the Energy Consumption and Declared Noise Emissions data for the Micro tower Desktop model is based on a typically configured product.

	, , , , , , , , , , , , , , , , , , , ,			
Energy Consumption	115 VAC	230 VAC	100 VAC	
Normal Operation	33.81 W	34.05 W	N/A	
Sleep (Energy Star low power mode)	1.85 W	1.85 W	N/A	
Off	0.92 W	0.92 W	N/A	
Heat Dissipation*	115 VAC	230 VAC	100 VAC	
Normal Operation	116 BTU/Hr	116 BTU/Hr	N/A	
Sleep	6 BTU/Hr	6 BTU/Hr	N/A	
Off	3 BTU/Hr	3 BTU/Hr	N/A	

^{*} 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)

System Fan on with active Sound Power Sound Pressure graphic card (LWAd, bels) (LpAm, decibels)



Idle 4.03 29
Fixed Disk 4.1 30

Longevity and Upgrading

This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the product may include:

- Intel LGA775 processor socket
- 8 USB ports
- 1 empty PCI slot (w/ optional PCI riser card), or
 1 empty PCIe x16 slot (w/optional PCIe riser card)
- 1 internal drive slot
- 1 Slimline optical drive slot
- · 3 memory slots

Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.

Batteries

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

Batteries used in the product do not contain:

- Mercury greater the 5ppm by weight
- Cadmium greater than 10ppm by weight
 - Battery size: CR2032 (coin cell)
 - O 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 94.8% recyclable when properly disposed of at end of life.

Packaging Materials

- External:
 - O PAPER/Corrugated 1565 g
- Internal:
 - O PLASTIC/EPS (Expanded Polystyrene) 212 g
 - O PLASTIC/Polyethylene low density 51 g
 - PLASTIC/EPE-Expanded Polyethylene 275
- The PAPER/Corrugated packaging material contains at least 25% recycled content.
- The PLASTIC/EPS (Expanded Polystyrene) packaging material contains at least 0% recycled content.
- The PLASTIC/Polyethylene low density packaging material contains at least 0% recycled content.
- The PLASTIC/EPE-Expanded Polyethylene packaging material contains at least 0% recycled content.

RoHS2 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
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl 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)

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.

and Recycling

End-of-life Management 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.

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

Corporate Environmental Global Citizenship Report

Information http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html

Eco-label certifications

http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html

ISO 14001 certificates:

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

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