QuickSpecs

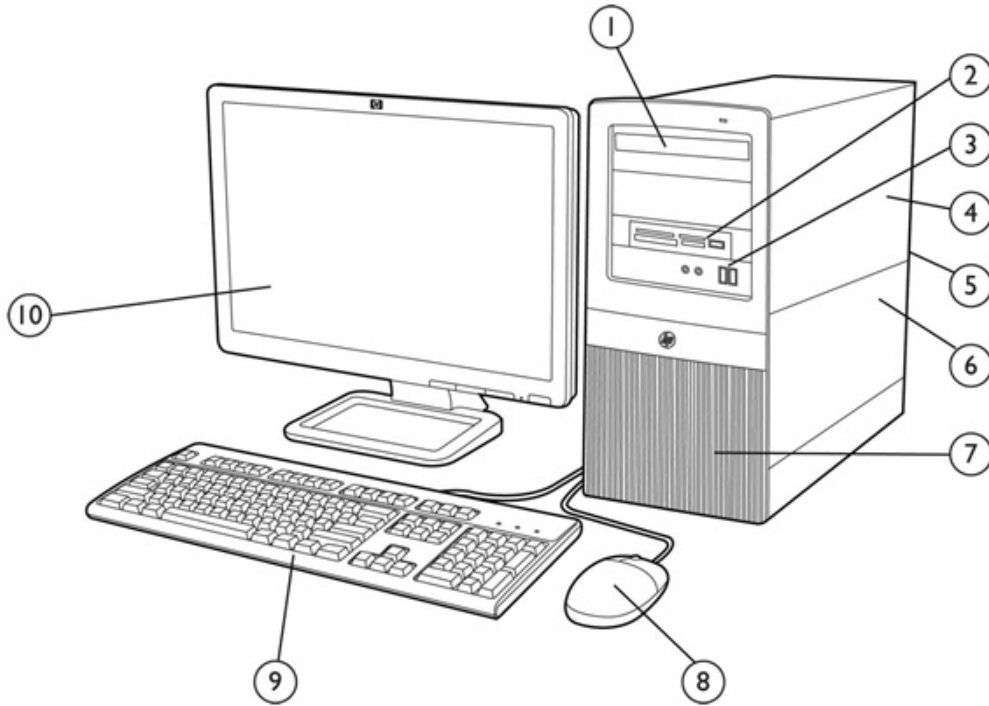*Overview (availability varies by configuration and by country)*

1. (2) external 5.25" drive bays for optional optical drives
2. (1) external 3.5" drive bay for optional media reader
3. Front I/O includes: (2) USB 2.0 ports, dedicated headphone output, microphone jack
4. Power Supply
5. Rear I/O includes: (4) USB 2.0 ports, SPDIF out, RJ-45 network interface, DVI-D and VGA video interfaces, microphone jack, audio in/out jacks, 7.1 channel audio jacks

6. (3) PCIe x1 slots, (1) PCIe x16 slot, (1) miniPCI slot
7. (2) internal 3.5" hard drive bays
8. USB Scroll Mouse
9. USB HP Standard Keyboard
10. Monitor (sold separately)

At A Glance

- Genuine Windows 7 versions, Genuine SuSE Linux Enterprise Desktop 11, or FreeDOS
- Choice of AMD Sempron™, Athlon™ or Phenom™ processor
- Choice of integrated graphics or ATI or NVIDIA graphics cards
- Up to 16 GB DDR3 SDRAM system memory available standard
- Up to 2 TB 3.0 Gb/s SATA hard drive
- Choice of optical drives: DVD-ROM, SuperMulti LightScribe DVD Drive, or Blu-Ray Writer
- Integrated Realtek 8105E 10/100Mbps Ethernet Controller
- USB 2.0 ports
- VGA and DVI-D video port
- 7.1 audio channels
- 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 (Availability depends on model; list is subject to change)	**AMD Sempron™ Processors:** AMD Sempron 140 Processor (2.7 GHz, 1M L2 cache, 4000 GT/s System BUS) AMD Sempron 145 Processor (2.8 GHz, 1M L2 cache, 4000 GT/s System BUS) AMD Sempron 150 Processor (2.9 GHz, 1M L2 cache, 4000 GT/s System BUS) **AMD Athlon™ II X2 Dual Core Processors:** AMD Athlon II X2 215 Processor (2.7 GHz, 1M L2 cache, 4000 GT/s System BUS) AMD Athlon II X2 220 Processor (2.8 GHz, 1M L2 cache, 4000 GT/s System BUS) AMD Athlon II X2 240 Processor (2.8 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X2 245 Processor (2.9 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X2 250 Processor (3.0 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X2 255 Processor (3.1 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X2 260 Processor (3.2 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X2 260u Processor (1.8 GHz, 2M L2 cache, 3600 GT/s System BUS) AMD Athlon II X2 265 Processor (3.3 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X2 270 Processor (3.4 GHz, 2M L2 cache, 4000 GT/s System BUS) **AMD Athlon II X3 Triple Core Processors:** AMD Athlon II X3 435 Processor (2.9 GHz, 1.5M L2 cache, 4000 GT/s System BUS) AMD Athlon II X3 440 Processor (2.9 GHz, 1.5M L2 cache, 4000 GT/s System BUS) AMD Athlon II X3 445 Processor (3.0 GHz, 1.5M L2 cache, 4000 GT/s System BUS) AMD Athlon II X3 450 Processor (3.1 GHz, 1.5M L2 cache, 4000 GT/s System BUS) AMD Athlon II X3 455 Processor (3.3 GHz, 1.5M L2 cache, 4000 GT/s System BUS) **AMD Athlon II X4 Quad Core Processors:** AMD Athlon II X4 630 Processor (2.8 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X4 635 Processor (2.9 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X4 640 Processor (3.0 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X4 645 Processor (3.1 GHz, 2M L2 cache, 4000 GT/s System BUS) AMD Athlon II X4 650 Processor (3.2 GHz, 2M L2 cache, 4000 GT/s System BUS) **AMD Phenom™ II X2 Dual Core Processors:** AMD Phenom II X2 550 Processor (3.1 GHz, 7M L2+L3 cache, 4000 GT/s System BUS) AMD Phenom II X2 555 Processor (3.2 GHz, 7M L2+L3 cache, 4000 GT/s System BUS) **AMD Phenom II X3 Triple Core Processors:** AMD Phenom II X3 720 Processor (2.8 GHz, 7.5M L2+L3 cache, 4000 GT/s System BUS) AMD Phenom II X3 740 Processor (3.0 GHz, 7.5M L2+L3 cache, 4000 GT/s System BUS) **AMD Phenom II X4 Quad Core Processors:** AMD Phenom II X4 820 Processor (2.8 GHz, 6M L2+L3 cache, 4000 GT/s System BUS) AMD Phenom II X4 830 Processor (2.8 GHz, 8M L2+L3 cache, 4000 GT/s System BUS) AMD Phenom II X4 840T Processor (2.9 GHz, 8M L2+L3 cache, 4000 GT/s System BUS) AMD Phenom II X4 925 Processor (2.8 GHz, 8M L2+L3 cache, 4000 GT/s System BUS) AMD Phenom II X4 945 Processor (3.0 GHz, 8M L2+L3 cache, 4000 GT/s System BUS) AMD Phenom II X4 955 Processor (3.2 GHz, 8M L2+L3 cache, 4000 GT/s System BUS) AMD Phenom II X4 960T Processor (3.2 GHz, 8M L2+L3 cache, 4000 GT/s System BUS)

Standard Features (availability varies by configuration and by country)

AMD Phenom II X4 B95 Processor (3.3 GHz, 8M L2+L3 cache, 4000 GT/s System BUS)

AMD Phenom II X6 Six Core Processors:

AMD Phenom II X6 1035T Processor (2.6 GHz, 9M L2+L3 cache, 4000 GT/s System BUS)

AMD Phenom II X6 1055T Processor (2.8 GHz, 9M L2+L3 cache, 4000 GT/s System BUS)

Operating System	**Preinstalled**	Genuine Windows 7 Professional Edition (32-bit)*
		Genuine Windows 7 Professional Edition (64-bit)*
		Genuine Windows 7 Home Premium Edition (32-bit)*
		Genuine Windows 7 Home Premium Edition (64-bit)*
		Genuine Windows 7 Ultimate Edition (32-bit)*
		Genuine Windows 7 Ultimate Edition (64-bit)*
		Genuine Windows 7 Home Basic Edition (32-bit)*
		Genuine Windows 7 Home Basic Edition (64-bit)*
		Genuine Windows 7 Starter (limited regions support)*
		SuSE Linux Enterprise Desktop 11
		FreeDOS

* 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.

Chipset	AMD 785G Chipset

Graphics

Integrated	Integrated ATI Radeon 4200 Graphics
Graphics Cards (List is subject to change)	ATI Radeon HD 4350 HDMI (512MB) FH PCIe x16 Graphics Card
	ATI Radeon HD 4550 (512MB) DH PCIe x16 Graphics Card
	ATI Radeon HD 4650 (1GB) PCIe x16 Graphics Card
	ATI Radeon HD 5450 (1GB) FH PCIe x16 Graphics Card
	ATI Radeon HD 5450 (512MB) FH PCIe x16 Graphics Card
	ATI Radeon HD 5570 (2GB) FH PCIe x16 Graphics Card
	ATI Radeon HD 5570 (1GB) FH PCIe x16 Graphics Card
	ATI Radeon HD 6450 (1GB) FH PCIe x16 Graphics Card
	ATI Radeon HD 6570 (1GB) FH PCIe x16 Graphics Card
	ATI Radeon HD 6570 (2GB) FH PCIe x16 Graphics Card
	NVIDIA GeForce G210 HDMI (512MB) PCIe x16 Graphics Card
	NVIDIA Geforce GT220 (1GB) FH PCIe x16 Graphics Card
	NVIDIA GeForce GT230 (1.5GB) PCIe x16 Graphics Card
	NVIDIA GeForce GT315 (1GB) PCIe x16 Graphics Card
	NVIDIA GeForce GT315 (512MB) PCIe x16 Graphics Card
	NVIDIA GeForce GT320 (1GB) FH PCIe x16 Graphics Card
	NVIDIA GeForce GT405 (1GB) FH DDR3 PCIe x16 Graphics Card
	NVIDIA GeForce GT420 (2GB) PCIe x16 Graphics Card

Standard Features (availability varies by configuration and by country)

NVIDIA GeForce GT440 (1.5GB) PCIe x16 Graphics Card

System Memory	Memory Type	PC3-10600 DDR3 SDRAM (1066/1333MHz) non-ECC
	Expansion Slots	Four (4) DIMM slots
	Maximum Memory*	16 GB
	Standard Configurations	1 GB (1 x 1GB)
		2 GB (2 x 1GB)
		2 GB (1 x 2GB)
		3 GB (1 x 1GB + 1 x 2GB)
		4 GB (4 x 1GB)
		4 GB (2 x 2GB)
		4 GB (1 x 4GB)
		5 GB (2 x 2GB + 1 x 1GB)
		6 GB (3 x 2GB)
		7 GB (3 x 2GB + 1 x 1GB)
		8 GB (4 x 2GB)
		8 GB (2 x 4GB)
		16 GB (4 x 4GB)

* 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.

Storage	Hard Drive (SATA)	3.5-inch, 7200 rpm, 3.0 Gb/s SATA Hard Drive (NCQ, SMART):

3.5-inch, 7200 rpm, 3.0 Gb/s SATA Hard Drive (NCQ, SMART):

160 GB	750 GB
250 GB	1 TB
320 GB	1.5 TB
500 GB	2 TB
640 GB	

3.5-inch, 7200 rpm, 6.0 Gb/s SATA Hard Drive (NCQ, SMART)*

250GB
320GB
500GB
750GB
1 TB

3.5-inch, 5400 rpm, 3.0 Gb/s SATA Hard Drive (NCQ, SMART):
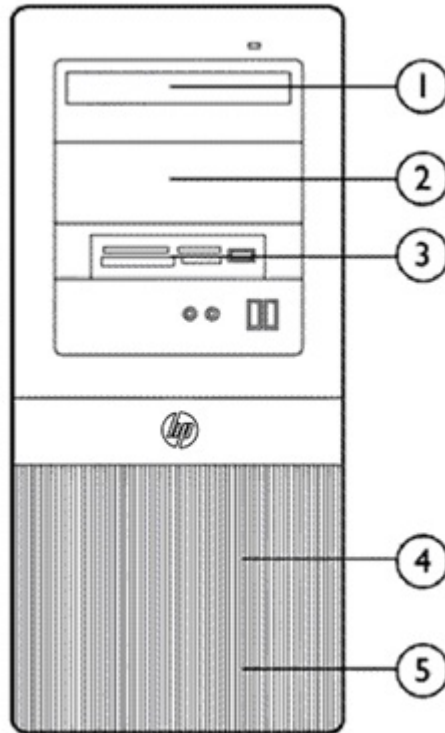
1 TB
1.5 TB
2 TB

* Because the AMD 785G chipset does not support SATA 6.0Gb/s, these hard drives will operate at 3.0Gb/s on HP Pro 3135 MT

Media Reader	HP 22-in-1 Media Card Reader
Optical Drive (SATA)	DVD-ROM Drive
	SuperMulti LightScribe DVD Drive
	HP SATA Blu-ray Writer

Standard Features (availability varies by configuration and by country)

Bays	Internal	Two (2) 3.5-inch
	External	Two (2) 5.25-inch; One (1) 3.5-inch

	Maximum Quantity Supported	Position Supported	Controller
Drive Support			
Media Reader	1	3	Internal USB 2.0 port
	2	1, 2	Internal USB 2.0 port
DVD-ROM Drives	2	1, 2	SATA
SuperMulti LightScribe Drives	2	1, 2	SATA
HP Blu-Ray Writer	2	1, 2	SATA
3.5" Serial ATA Hard Drives	2	4, 5	SATA

Slots	# PCI 2.3 slots	0
	# PCI Express x1 slots	3
	# PCI Express x16 slots	1
	# MiniPCI slots	1

Standard Features (availability varies by configuration and by country)

Communication	Integrated Realtek 8105E 10/100Mbps Ethernet Controller
	Intel Gigabit CT Desktop NIC
	LSI PCIe x1 56K International SoftModem

USB Support   EHCI high-speed USB 2.0 controller

Eight (8) internal ports on system board:

- 2 for front ports
- 2 for media card reader
- 4 reserved for future upgrade

External USB 2.0 ports

Front	2
Rear	4

Interfaces   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

Audio   Realtek ALC888S High Definition audio codec

Input Devices   **Keyboard - One of the following**
HP USB PS/2 Washable Keyboard
HP USB Standard Keyboard
HP USB Mini Keyboard
HP USB Smartcard Keyboard
HP USB Standard Value Keyboard
Mouse - One of the following
HP USB Optical BLK Mouse
HP USB Laser BLK Mouse
HP USB Optical Mouse
HP Wireless Optical Mouse

Miscellaneous   HP Chassis Security Kit
HP Firewire/IEEE1394a PCIex1 card
HP USB3.0 Superspeed PCIex1 card

Standard Features (availability varies by configuration and by country)

Software	Preinstalled software (varies by country)	Microsoft Office 2010 Preloaded (purchase of a Product Key required to activate a full Office 2010 suite)*

Microsoft Windows Virtual PC - XP
Mozilla Firefox for HP Virtual Solutions
Roxio Creator Business 10 HD**
Corel WinDVD 8**
Corel WinDVD BD for Blu-Ray**
Norton Internet Security 2011 (60-day trial)
PDF Complete
HP Power Assistant
HP ProtectTools Suite SMB
USB Port Disable
Sun Java Runtime Environment
Quicken Financial Center (SBSO version)
Xobni

* Microsoft Office 2010 Preloaded includes reduced functionality versions of Word and Excel, unless a full version suite is added to the configuration at additional cost. Purchase of Product Key required to activate full Office 2010 suite available at participating resellers/retailers and http://www.office.com.
** Supporting software available with certain optical drive configurations.

Security	Padlock loop

Kensington Lock Support

Noble Universal Clamp Lock Cable Kit

HP Chassis Security Kit

Power Supply	300W aPFC power supply
Model	300W aPFC
Rated Voltage Range	100 - 240 VAC
115V/230V Line switch	N/A

Service and Support

On-site Warranty[Note 1]: 1-1-1, 1-1-0, 2-2-0, 3-3-0, 3-1-1, 3-3-3, 3-3-3 limited, 4-4-4, 5-5-5 limited warranty delivers on-site, next business-day[Note 2] service for parts and labor and includes free telephone support[Note 3] 24 x 7. Global coverage[Note 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.

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

Communications	**NICs**	
	Intel Gigabit CT Desktop NIC	FH969AA
	Modems	
	LSI PCIe x1 56K International SoftModem	FH970AA
	HP RJ11 Modem Adapter Kit	DC131C

Hard Disk Drives	HP 1-TB SATA 3.0-Gb/s Hard Drive	VU353AA
	HP 500-GB SATA 3.0-Gb/s Hard Drive	KW347AA
	HP 320-GB SATA 3.0-Gb/s Hard Drive	FH963AA
	HP 250-GB SATA 3.0-Gb/s Hard Drive	PY278AA
	HP 160-GB SATA 3.0-Gb/s Hard Drive	PY277AA

Removable Storage Devices	HP 22-in-1 Media Card Reader	AR941AA

Input Devices	**Keyboards**	
	HP USB JB Standard Keyboard	DT528A
	HP USB Smartcard Keyboard (Carbonite/Silver)	ED707AA
	HP USB PS2 Washable Keyboard	VF097AA
	HP USB Mini Keyboard	AS601AA
	HP 2.4GHz Wireless Keyboard & Mouse	NB896AA
	Mice	
	HP USB 2-Button Optical Scroll Mouse	DC172B
	HP USB 2-Button Laser Mouse	GW405AA

I/O Adapter	Belkin Serial to USB adapter	EM449AA

Memory	HP 1GB PC3-10600 (DDR3-1333) DIMM	AT023AA
	HP 2GB PC3-10600 (DDR3-1333) DIMM	AT024AA
	HP 4GB PC3-10600 (DDR3-1333) DIMM	VH638AA

Audio	HP Thin USB Powered Speakers	KK912AA
	HP USB 2.0MP Business Webcam	NX252AA

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

Graphics	ATI Radeon HD 4550 (512MB) DH PCIe x16 Graphics Card	SG764AA
	ATI Radeon HD 5450 (1GB) FH PCIe x16 card	TBD
	NVIDIA GeForce G210 HDMI (512MB) SH PCIe x16 Graphics Card	VN565AA
	NVIDIA GeForce GT230 (1.5GB) PCIe x16 Graphics Card	VH697AA
	HP DVI Cable kit	DL198A

Optical Drives	HP 16X/48X SATA DVD-ROM Drive BLK	AR629AA
	HP 16X SATA SuperMulti LightScribe DVD Drive BLK	AR630AA
	HP 16X SATA Blu-ray Writer BLK	AR482AA

Security	HP Business PC Security Lock Kit	PV606AA
	HP/Kensington MicroSaver Security Cable Lock	PC766A
	HP Chassis (dc) Security Kit	AR639AA

Technical Specifications

System Unit	Dimensions (HxWxD)	15.14 x 7.27 x 16.36 in 385 x 185 x 416 mm	
	Weight	16.7 lb (7.58 kg)	
	Packaging Dimensions (DxLxW)	19.63 x 24.13 x 10.56 in 498.6 x 613 x 268.2 mm	
	Shipping Weight	24.77 lb (111.24 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 (unpressurized)	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.