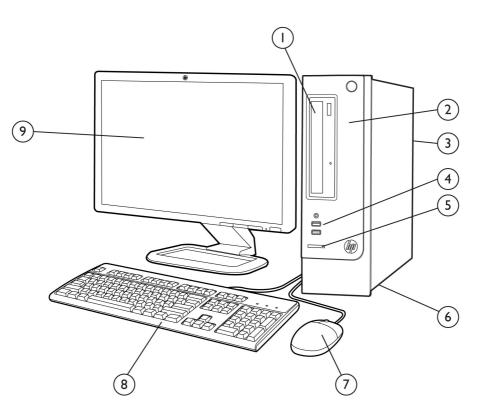
Overview (availability varies by configuration and by country)



- 1. External 5.25" drive bay for optical drive
- 2. Internal 3.5" hard drive bay
- 3. Rear I/O includes: (3) PCIe x1 slots, (1) PCIe x16 slot, (2) miniPCIe slots USB 2.0 ports; network, DVI-D and VGA video ports, and audio
- 4. Front I/O includes: (2) USB 2.0 ports, dedicated headphone output
- HP 6-in-1 Media Card Reader 5.

At A Glance

- Windows 8 versions, Windows 7 versions or FreeDOS
- Choice of Intel[®] Core[™] i3,Core i5, Core i7, or Pentium[™] processors
- Choice of integrated graphics or ATI or NVIDIA graphics cards
- Up to 8 GB DDR3 SDRAM system memory available standard
- Up to 1 TB 3.0 Gb/s SATA hard drive
- SuperMulti DVD Drive
- Integrated Realtek RTL8171E Gigabit Ethernet Controller
- 6 USB 2.0 ports
- DVI-D and VGA video ports
- 5.1 audio channels
- Protected by HP Services. Terms and conditions vary by country. Certain restrictions and exclusions apply.

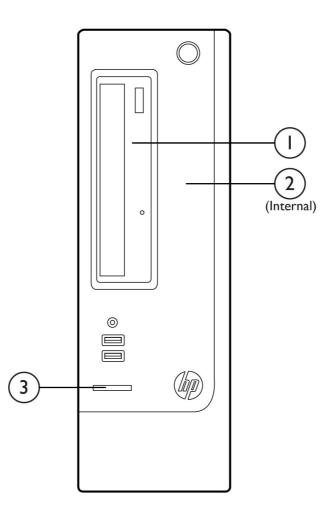
- 6. Power Supply
- 7. USB Scroll Mouse
- 8. HP USB Standard Value Keyboard
- 9. Monitor (sold separately)

Processors	Intel Core i3 Processors:				
(Availability depends on model; list is	Intel Core i3-2100 Processor (3.1 GHz, 3 MB cache, 2C/4T) Intel Core i3-2105 Processor (3.1 GHz, 3 MB cache, 2C/4T, HD3000 graphics) Intel Core i3-2120 Processor (3.3 GHz, 3 MB cache, 2C/4T)				
subject to change)					
Subject to change,					
	Intel Core i5 Processors:				
	Intel Core i5-2400 Processor (3.1 GHz, 6 MB cache, 4C/4T, Turbo) Up to 3.4 GHz with Intel Turbo Boost Technology				
	Intel Core i5-2400s Processor (2.5 GHz, 6 MB cache, 4C/4T, Turbo) Up to 3.3 GHz with Intel Turbo Boost Technology				
	Intel Core i5-2405s Processor (2.5 GHz, 6 MB cache, 4C/4T, Turbo) Up to 3.3 GHz with Intel Turbo Boost Technology				
	Intel Core i5-2500s Processor (2.7 GHz, 6 MB cache, 4C/4T, Turbo) Up to 3.7 GHz with Intel Turbo Boost Technology				
	Intel Core i7 Processors:				
	Intel Core i7-2600s Processor (2.8 GHz, 8 cache, 4C/8T, Turbo) Up to 3.8 GHz with Intel Turbo Boost Technology				
	Intel Pentium:				
	Intel Pentium G620 Processor (2.6 GHz, 3 MB L3 cache, 850 to 1100MHz FSB)				
	Intel Pentium G840 Processor (2.8 GHz, 3 MB L3 cache, 850 to 1100MHz FSB)				
	Intel Pentium G850 Processor (2.9 GHz, 3 MB L3 cache, 850 to 1100MHz FSB)				
	NOTE: Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families.				
Operating System	Preinstalled Windows 8*				
	Windows 8 Pro*				
	Windows 7 Professional Edition (32-bit)** Windows 7 Professional Edition (64-bit)**				
	Windows 7 Hone Premium Edition (64-bit)**				
	Windows 7 Home Basic Edition (64-bit)**				
	Windows 7 Starter (32-bit) (limited regions support)** FreeDOS				
	* Not all features are available in all editions of Windows 8. Systems may require upgraded and/or				
	separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See http://www.microsoft.com. ** 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	Intel H61 Express Chipset			



Graphics			
Integrated	Intel HD Graphics		
	AMD Radeon HD 64501GB I	DDR3 LP PCIe x16 Card	
	AMD Radeon HD 6450 512	MB DDR3 LP PCIe x16 Card	
	NVIDIA GeForce 405 1GB DI	DR3 LP PCIe x16 Card	
	NVIDIA GeForce GT 520 1G	B DDR3 FH PCle x16 Card	
System Memory	Memory Type	PC3-10600 DDR3 SDRAM (1066/1333MHz)	non-ECC
	Expansion Slots	Two (2) DIMM slots	
	Maximum Memory*	8 GB	
	Standard Configurations	3 GB (1 x 1GB + 1 x 2GB) 4 GB (1 x 4GB) 4 GB (2 x 2GB) 5 GB (1 x 4GB + 1 x 1GB) 6 GB (1 x 4GB + 1 x 2GB)	
		8 GB (2 x 4GB)	
		vith more than 3 GB of memory and a 32-bit o tem resource requirements. Addressing mem	
Storage	not be available due to sys	vith more than 3 GB of memory and a 32-bit o	ory above 4 GB requires a 64-bit
Storage	not be available due to sys operating system.	vith more than 3 GB of memory and a 32-bit o tem resource requirements. Addressing mem 3.5-inch, 7200 rpm, 3.0 Gb/s SATA Hard Driv 320 GB	ory above 4 GB requires a 64-bit re (NCQ, SMART): 750 GB
Storage	not be available due to systoperating system. Hard Drive (SATA)	vith more than 3 GB of memory and a 32-bit o tem resource requirements. Addressing mem 3.5-inch, 7200 rpm, 3.0 Gb/s SATA Hard Driv 320 GB 500 GB	ory above 4 GB requires a 64-bit re (NCQ, SMART):
Storage	not be available due to sys operating system.	vith more than 3 GB of memory and a 32-bit o tem resource requirements. Addressing mem 3.5-inch, 7200 rpm, 3.0 Gb/s SATA Hard Driv 320 GB	ory above 4 GB requires a 64-bit re (NCQ, SMART): 750 GB
Storage	not be available due to systoperating system. Hard Drive (SATA)	vith more than 3 GB of memory and a 32-bit o tem resource requirements. Addressing mem 3.5-inch, 7200 rpm, 3.0 Gb/s SATA Hard Driv 320 GB 500 GB	ory above 4 GB requires a 64-bit re (NCQ, SMART): 750 GB
Storage	not be available due to systoperating system. Hard Drive (SATA) Media Reader	vith more than 3 GB of memory and a 32-bit o tem resource requirements. Addressing mem 3.5-inch, 7200 rpm, 3.0 Gb/s SATA Hard Driv 320 GB 500 GB HP 6-in-1 Media Card Reader	ory above 4 GB requires a 64-bit re (NCQ, SMART): 750 GB





	Maximum Quantity Sup	ported	Position Supported (as shown on image above)	Controller
Drive Support				
Media Reader	1		3	Internal USB 2.0 port
SuperMulti DVD Drive	1		1	SATA
3.5" Serial ATA Hard Drive	1		2	SATA
Slots	# PCI 2.3 slots	0		
5.013	# PCI Express x1 slots	3		
	# PCI Express x16 slots	1		
	# MiniPCIe slots	1		



Standard Features (availability varies by configuration and by country) Integrated Realtek RTL8171E Gigabit Ethernet Controller Communication **USB Support** EHCI high-speed USB 2.0 controller Ten (10) internal ports on system board: • 2 for front ports • 4 for media card reader and other internal devices • 4 reserved for rear I/O External USB 2.0 ports 2 Front Rear 4 Interfaces One (1) DVI-D video output One (1) VGA video port One (1) audio in: 5.1 audio channel out Displays HP S2231a 21.5-in Wide Monitor HP S2031a 20-in Wide Monitor Audio Realtek ALC656 Audio **Input Devices** Keyboard - One of the following HP USB Wired Keyboard w/ Vol Ctrl HP USB Standard Value Keyboard Mouse - One of the following HP USB Optical BLK Mouse Miscellaneous **HP Chassis Security Kit** HP USB 3.0 Superspeed PCIex1 card



(varies by country) to activate a full Office 2010 suite)* Microsoft Windows Virtual PC - XP Norton Internet Security 2011 (60-day trial) PDF Complete Special Edition Cyberlink PowerDVD Cyberlink PowerDVD Cyberlink Power 2 Go Cyberlink Power Starter HP Power Assistant Credential Manager for HP ProtectTools HP ProtectTools Suite SMB Quicken Financial Center (SBS0 version) Xobni HP Recovery Manager HP Support Assistant (HPSA) * Microsoft Office Starter 2010 Preloaded includes reduced functionality versions of Word and Exc 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				
Norton Internet Security 2011 (60-day trial) PDF Complete Special Edition Cyberlink PowerDVD Cyberlink Label Print Cyberlink Power 2 Go Cyberlink Power Director Cyberlink Power Starter HP Power Assistant Credential Manager for HP ProtectTools HP ProtectTools Suite SMB Quicken Financial Center (SBS0 version) Xobni HP Recovery Manager HP Support Assistant (HPSA) * Microsoft Office Starter 2010 Preloaded includes reduced functionality versions of Word and Exc 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 220W aPFC power supply Model 220W aPFC				
PDF Complete Special Édition Cyberlink PowerDVD Cyberlink Label Print Cyberlink Power 2 Go Cyberlink Power Director Cyberlink Power Starter HP Power Assistant Credential Manager for HP ProtectTools HP ProtectTools Suite SMB Quicken Financial Center (SBS0 version) Xobni HP Recovery Manager HP Support Assistant (HPSA) * Microsoft Office Starter 2010 Preloaded includes reduced functionality versions of Word and Exc 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 220W aPFC power supply Model 220W aPFC				
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HP Chassis Security Kit Power Supply 220W aPFC power supply Model 220W aPFC power supply	Kensington Lock Support			
Power Supply 220W aPFC power supply Model 220W aPFC				
Model 220W aPFC				
Rated Voltage Range 100 - 240 VAC				
115V/230V Line switch N/A				
and labor and includes free telephone support ^{Note 3} 24 x 7. Global coverage ^{Note 2} ensures that any purchased in one country and transferred to another non-restricted country will remain fully cover under the original warranty and service offering. One-year onsite and labor are not available in all	On-site Warranty ^{Note 1} : 1-1-1, 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	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 author third-party provider, and is not available in certain countries. Global service response times are bas commercially reasonable best effort and may vary by country.	third-party provider, and is not available in certain countries. Global service response times are based on			
NOTE 3: Technical telephone support applies only to HP-configured Compaq and third-party HP-que 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)

After-Market Options are TBD. The list of supported options will be finalized prior to product launch.



Technical Specifications

System Unit	Dimensions (LxHxW)	15.61 x 12.77 x 4.98 i 396.58 x 324.46 x 10		
	Weight	13.9 lb (6.3 kg)		
	Packaging Dimensions (LxWxH)	19.41 x 15.67 x 9.57 i 493 x 398 x 243 mm	n	
	Shipping Weight	19.2 lb (8.7 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-co	ondensing at ambient)
	Shock	Operating	35 G, half-sine	
		Non-operating	30 G, half-sine	
	Maximum Altitude	Operating	10,000 ft (3048 m)
	(unpressurized)	Non-operating	30,000 ft (9144 m)
	For accessibility informat	ion on HP products, plea	se visit: http://www.hp.co	om/accessibility.
	 Never restrict airflo Do not stack compt subject to each oth Occasionally clean dust and other fore If the computer is t 	ow into the computer by uters on top of each othe er's re-circulated or preh the air vents on the from ign matter can block the o be operated within a se	blocking any vents or air er or place computers so r heated air. t, back, and any other ver e vents and limit the airflo	near each other that they are nted side of the computer. Lint, ow. e and exhaust ventilation must
Eco-Label Certifications declarations	& This product has received labeled with one or more	-	ing certified to the follow	ving approvals and may be
	• IT ECO declaration			
System Configuration	The configuration used fo Desktop model is based o			issions data for the Ultra-slim
Energy Consumption	115 VAC	Z	230 VAC	100 VAC
Normal Operation	44.68 W	4	15.20 W	44.25 W
Sleep (Energy Star low power mode)	1.42 W		1.42 W	1.41 W
Off	0.73 W		0.73 W	0.73 W
	NOTE:			
	HP computers marked wit	h the ENERGY STAR® Log	go are compliant with the	ffered within the model family applicable U.S. Environmental nodel family does not offer



Technical Specifications

	ENERGY STAR [®] compliant configuration model.	ons, then energy efficiency d	ata listed is for a typically configured
Heat Dissipation*	115 VAC	230 VAC	100 VAC
Normal Operation	153 BTU/hr	155 BTU/hr	151 BTU/hr
Sleep	5 BTU/hr	5 BTU/hr	5 BTU/hr
Off	2 BTU/hr	2 BTU/hr	2 BTU/hr
	* Heat dissipation is calculated based hour.	on the measured watts, assu	iming the service level is attained for o
Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)			
(Typically Configured)	Sound Power (LWAd, bels)		Sound Pressure (LpAm, decibels)
Idle	3.73		28.4
Fixed Disk (random writes)	3.85		30.3
Batteries	This battery(s) in this product comply	with EU Directive 2006/66/	EC
Additional Information	 2002/95/EC. This HP product is designed to Directive - 2002/96/EC. This product is in compliance w and Toxic Enforcement Act of 1 Plastics parts weighing over 25 This product contains 0% post This product is 92.2% recyclab 	vith the Restrictions of Hazar comply with the Waste Elect vith California Proposition 65 1986). 5 grams used in the product a consumer recycled plastic (b	
	Packaging Materials		
	 External: Corrugated 1.198 g Internal: Polyethylene low densit Polyethylene low densit The Corrugated packaging mat The Polyethylene low density p The Polyethylene low density f 	y foam 0.027 g erial is made from 58.5% rec backaging material is made f	rom 0% recycled content.



Technical Specifications

RoHS Compliance Material Usage	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). 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 A20 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 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)
	• Nickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user.
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.
End-of-life Management and Recycling	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



Technical Specifications

	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	
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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