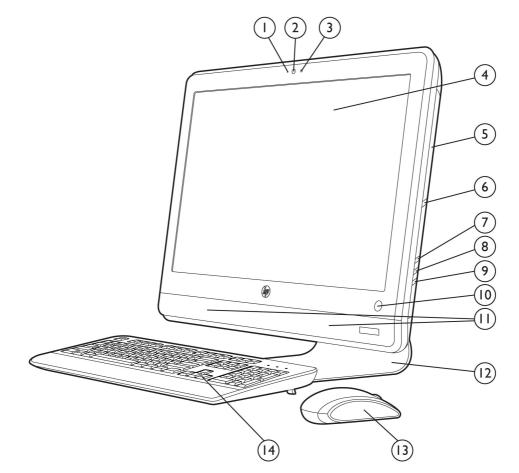
Overview

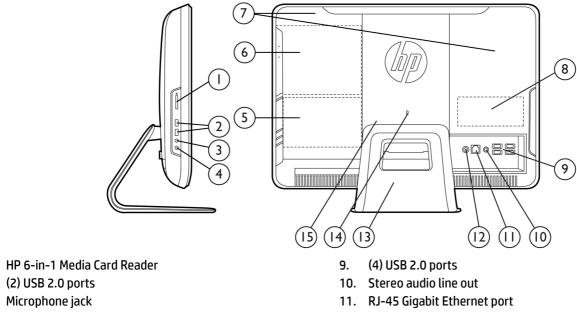


- 1. Webcam Activity LED
- 2. Webcam
- 3. Microphone
- 4. 23-inch diagonal 16:9 widescreen LED-backlit full HD LCD display
- 5. Tray-load optical drive with activity LED
- 6. Optical drive eject button
- 7. Brightness increase button

- 8. Brightness decrease button
- 9. Hard drive activity LED
- 10. Power button and LED
- 11. High-performance stereo speakers
- 12. Adjustable tilt stand
- 13. HP optical mouse*
- 14. HP keyboard* with numeric keypad
- * Wired or optional wireless



Overview



Microphone jack 4. Headphone jack

1. 2.

3.

- Hard drive location 5.
- 6. Optical drive location
- 7. Removable access panels
- Memory location 8.

- 12. Power connector with LED indicator
- 13. Adjustable tilt stand
- 14. Security lock slot
- 15. Center access panel

At A Glance

- Genuine Windows 7 Professional 32 and 64
- 23-inch diagonal widescreen WLED backlit anti-glare LCD
- Integrated all-in-one form factor
- Intel[®] Q67 Express chipset
- Intel 2nd generation Core[™] processors
- Intel vPro[™] Technology available with select processors
- Integrated Intel HD Graphics
- Integrated Gigabit Network Connection (10/100/1000 NIC)
- Optional wireless connectivity: •
 - Intel 802.11 a/b/g/n Wireless 6205 Minicard (mini PCI Express)
- Integrated 1.3 MP webcam
- Up to 8 GB of DDR3 SDRAM, dual channel memory support, two SODIMM slots
- Up to 1 TB SATA hard drive, up to 160 GB Solid State Drive and a 320 GB Self-Encrypting Drive
- Tray-load Blu-ray Combo Drive (Blu-ray Reader/DVD Writer), SuperMulti DVD Writer, or DVD-ROM Drive
- 6-in-1 Media Card Reader
- ENERGY STAR[®] qualified. EPEAT[®] registered where applicable/supported. See www.epeat.net for registration status by country.



Processors	Intel® 2nd Generation Core™ i7 Processors			
		rocessor (2.80 GHz, 8M cache, 4 cores/8 threads, 65W)*		
	Featuring Intel® vPro Technology			
	Intel® 2nd Generation Core™ i5 Processors			
	Featuring Intel® vPro	rocessor (2.70 GHz, 6M cache, 4 cores/4 threads, 65W)* Technology		
	-	rocessor (2.50 GHz, 6M cache, 4 cores/4 threads, 65W)*		
	Featuring Intel [®] vPro	Technology		
	Intel® 2nd Generatio	n Core™ i3 Processors		
		ocessor (3.40 GHz, 3M cache, 2 cores/4 threads, 65W)*		
		ocessor (3.30 GHz, 3M cache, 2 cores/4 threads, 65W)*		
		ocessor (3.10 GHz, 3M cache, 2 cores/4 threads, 65W)*		
	Intel Core i3-2100 Processor (3.10 GHz, 3M cache, 2 cores/4 threads, 65W)* Intel® Pentium™ Processors Intel Pentium G860 Processor (3.00 GHz, 3M cache, 2 cores/2 threads, 65W)* Intel Pentium G850 Processor (2.90 GHz, 3M cache, 2 cores/2 threads, 65W)* Intel Pentium G850 Processor (2.90 GHz, 3M cache, 2 cores/2 threads, 65W)*			
	Intel Pentium G840 Processor (2.80 GHz, 3M cache, 2 cores/2 threads, 65W)* Intel Pentium G630 Processor (2.70 GHz, 3M cache, 2 cores/2 threads, 65W)* Intel Pentium G620 Processor (2.60 GHz, 3M cache, 2 cores/2 threads, 65W)* Intel® Celeron™ Dual Core Processors Intel Celeron G540 Processor (2.5-GHz, 2 MB L3 cache, 2 cores) Intel Celeron G530 Processor (2.4 GHz, 2 MB L3 cache, 2 cores) * Intel's numbering is not a measurement of higher performance.			
				Dusingtallad
Operating System	Preinstalled	Genuine Windows 7 Professional 64* Genuine Windows 7 Professional 32*		
		Genuine Windows / Professional 52		
		Genuine Windows Home Premium 64		
		Genuine Windows Home Basic 32		
		FreeLnx		
	* 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.micro	osoft.com/windows/windows-7/ for details.		
Chipset	Intel Q67 chipset			



Standard Features

Intel Core i5 with vPro/Core i7 with vPro technology capable

Intel Core i5 with vPro and Core i7 with vPro technology is a selectable feature that is available on units configured with select processors, and a preinstalled Windows operating system. It provides advances in remote manageability, security, energy efficient performance, and wireless connectivity. Intel Active Management Technology 7.0 (iAMT) offers an advanced set of remote management features and functionality which provides network administrators the latest and most effective tools to remotely discover, heal, and protect networked client systems regardless of the system's health or power state. AMT 7.0 includes the following advanced management functions:

- Power Management (on, off, reset)
- Hardware Inventory (includes BIOS and firmware revisions
- Hardware Alerting
- Agent Presence
- System Defense Filters
- SOL/IDER
- Cisco NAC/SDN Support
- ME Wake-on-LAN
- DASH 1.1 compliance
- IPv6 Support
- Fast Call for Help a client inside or outside the firewall may initiate a call for help via BIOS screen, periodic connections, or alert triggered connection
- Remote Scheduled Maintenance pre-schedule when the PC connects to the IT or service provider console for maintenance. Remote PCs can get required patches, be inventoried, etc by connecting to their IT console or Service Provider when it's convenient
- Remote Alerts automatically alert IT or service provider if issues arise
- Access Monitor Provides oversight into Intel[®] AMT actions to support security requirements
- PC Alarm Clock
- Microsoft NAP Support
- Host Base set-up and configuration
- Management Engine (ME) firmware roll back
- Wireless AMT functionality on Desktop (WoDT)*
- Enhanced KVM resolution

* Requires Intel 802.11a/b/g/n PCIe Minicard Wireless Module

Graphics	Integrated Intel HD 2000 Graphics or Integrated Intel HD Graphics Models with Intel Core i3/i5/i7 processors include HD 2000 graphics. Models with Pentium processors include HD graphics		
Display 23-inch diagonal widescreen, Full HD WLED anti-glare display, tilt ad		en, Full HD WLED anti-glare display, tilt adjustments	
	Resolution	1920 x 1080 resolution (16:9)	
	Contrast ratio	1000:1 typical	
	Image brightness	250 nits typical	
	Viewing angle (typical)	Up to 170º horizontal/160º vertical typical	
Adjustable Tilt Stand	Tilt angle	-5º to +25º to the vertical plane	



Standard Features			
Memory	Standard Configurations	PC3-10600 DDR3 non-ECC SDRAM (runs at 1333 MHz) Two 204-pin SODIMM slots supporting dual channel memory 2 GB SODIMMs (up to 2 for 4 GB memory) 4 GB SODIMMs (up to 2 for 8 GB memory)	
	Maximum memory	Upgradeable to 8 GB using two (2) 4 GB SODIMMs	
	Dual-channel	Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.	
	operating systems, the am	GB or more of memory requires a 64-bit operating system. With Windows 32-bit nount of usable memory is dependent upon your configuration, so that above 3 available due to system resource requirements.	
Communications	Intel 82579LM Gigabit Network Connection	Integrated 10/100/1000 NIC*	
	Intel 802.11a/b/g/n Wireless 6205 Mini-PCIe (optional)	Support for 802.11 a/b/g/n Up to 300 mbps data rate	
	* The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.		
Keyboard	HP USB Keyboard	104 keys plus special keys for Mute, Volume Up, Volume Down. Separate numeric keypad. Cable length 51 in (130 cm)	
	Optional HP Wireless Keyboard	104 keys plus special keys for Mute, Volume Up, Volume Down Separate numeric keypad. Operates at ~ 2.4 GHz and supports a working distance of up to 32 ft (10 m).	
Pointing Device	HP USB Optical Scroll Mouse	Two buttons with scroll wheel acting as third button. Cable length 69 in (175 cm)	
	Optional HP Wireless Optical Scroll Mouse	Two buttons with scroll wheel acting as third button. Operates at ~ 2.4 GHz and supports a working distance of up to 32 ft (10m).	



Storage	Hard Drive	3.5-inch, 7200 rpm, 6.0 Gb/s SATA: 250 GB 500 GB 750 GB 1 TB		
	Solid State Drive	2.5-inch 3.0 Gb/s, Smart IV SATA Solid State Drive: 120GB 160 GB		
	Self-Encrypting Drive	320 GB 2.5-inch, SATA 7200 rpm		
	Optical Drive	HP Slim Tray Load SuperMulti DVD Writer		
	(tray load)	HP Slim Tray Load Blu-ray Combo Drive (Blu-ray Reader/DVD Writer) HP Slim Tray Load DVD ROM		
	6-in-1 Media Card Reader	Supports Secure Digital (SD, SDHC), MultiMediaCard reader, Picture Card, Memory Stick, Memory Stick Pro		
I/O Slots	Full Height Mini PCIe x1	One (used by optional Wireless LAN module)		
Ports	USB 2.0	Six (2 side, 4 rear)		
	Microphone in	One (side)		
	Headphone jack	One (side)		
	Stereo audio line out	One (rear)		
	Power connector	One (rear)		
	RJ-45/Ethernet	One (rear)		
Audio/Visual	SRS Premium Sound audio Integrated high-performan	••		
	Integrated microphone Volume control and mute buttons			
	Stereo headphone jack			
	Microphone in			
	Stereo line out			
	Integrated 1.3 MP webcam			
	Up to 30 frames/sec			



Software	Preinstalled software (varies by country)	HP Protect Tools v 6.0 HP Power Assistant HP Setup HP VirtualRoom trial (60-day) HP MyRoom Corel WinDVD (optional) Roxio Creator Business (optional) PDF Complete Norton Internet Security 2011 (60-day trial)* Microsoft Office 2010 Preloaded (purchase of a Product Key required to activate a full Office 2010 suite)**
	Optional (varies by country)	Corel WinDVD Roxio Creator Business
	* 60 day trial period for I updates. First update inc ** Microsoft Office 2010	Norton Internet Security 2011 software. Internet access required to receive cluded. Subscription required for updates thereafter. Preloaded includes reduced functionality versions of Word and Excel. Purchase of activate full Office 2010 suite available at participating resellers/retailers and
HP Power Assistant (Optional)	Optional Provides real-time reporting of how system settings impact the energy consumed by the PC and the potential savings over time.	
Manageability	DASH 1.1 Management Protocol Intel® vPro Technology	
SMBIOS	System Management Blo information.	OS, previously known as DMI BIOS, is used to store system management
Security	Security lock slot USB port disable Trusted Platform Modul *TPM module disabled w	e (TPM) 1.2* /here use is restricted by law
Power Supply	External 150-watt powe	er supply, 87% efficiency, active PFC



Standard Features

Energy Consumption (typically configured)	115 VAC	230 VAC	100 VAC
Normal Operation	18.357 W	18.367 W	18.41 W
Sleep (Energy Star low power mode)	1.333 W	1.366 W	1.334 W
Off	1.172 W	1.213 W	1.171 W

NOTE: Energy efficiency data listed is for an ENERGY STAR[®] compliant product if offered within the model family . HP computers marked with the ENERGY STAR[®] Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR[®] specifications for computers. If a model family does not offer ENERGY STAR[®] compliant configurations, then energy efficiency data listed is for a typically configured model.

Heat Dissipation (typically configured)	115 VAC	230 VAC	100 VAC
Normal Operation	63 BTU/hr	63 BTU/hr	63 BTU/hr
Sleep	5 BTU/hr	5 BTU/hr	5 BTU/hr
Off	4 BTU/hr	4 BTU/hr	4 BTU/hr
NOTE: Heat dissipation is calculate	ed based on the measured wa	tts, assuming the service level is att	ained for one hour.

Eco-Label Certifications & 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:

	 US ENERGY STAR[®] IT ECO declaration EPEAT[®] Silver where HP register registration status in your count 		. See http://www.epeat.net for
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Ultra-slim Desktop model is based on a typically configured product		
Energy Consumption	115 VAC	230 VAC	100 VAC
Normal Operation	22.25 W	22.87 W	22.32 W
Sleep (Energy Star low power mode)	1.41 W	1.44 W	1.41 W
Off	1.21 W	1.24 W	1.21 W
	NOTE: Energy efficiency data listed is for family . HP computers marked with the Environmental Protection Agency (EPA does not offer ENERGY STAR [®] complian configured model.	ENERGY STAR [®] Logo are compl) ENERGY STAR [®] specifications f	iant with the applicable U.S. for computers. If a model family
Heat Dissipation*	115 VAC	230 VAC	100 VAC
Normal Operation	76 BTU/hr	78 BTU/hr	76 BTU/hr
Sleep	5 BTU/hr	5 BTU/hr	5 BTU/hr
Off	4 BTU/hr	4 BTU/hr	4 BTU/hr
	*NOTE: Heat dissipation is calculated by for one hour.	ased on the measured watts, as	suming the service level is attained
Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)	Sound Power (LWAd, bels)		Sound Pressure (LpAm, decibels)



Standard Features		
(Typically Configured)		
Idle	3.17	27
Fixed Disk (random writes)	3.21	27
Longevity and Upgrading	This product can be upgraded, possibly extending its us 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 1 Serial/Parallel Port (optional)))
	Spare parts are available throughout the warranty perio production.	od and or for up to "5" years after the end of
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) Battery type: Lithium	
Additional information	 This product is in compliance with the Restriction 2002/95/EC. This HP product is designed to comply with the W Directive - 2002/96/EC. This product is in compliance with California Progrand Toxic Enforcement Act of 1986). This product is in compliance with the IEEE 1680 commercial desktop products. See http://www.e Plastics parts weighing over 25 grams used in the This product contains 0% post consumer recycle. This product is 94.1% recyclable when properly contained to the product of t	Vaste Electrical and Electronic Equipment (WEEE) position 65 (State of California; Safe Drinking Water (EPEAT) standard at the Silver where HP registers epeat.net for registration status in your country. e product are marked per ISO 11469 and ISO1043. d plastic (by wt.)
	Packaging Materials	
	External: o Corrugated 212 g	
	Internal: o Polyethylene high density 38.4 g o EPE-Expanded Polyethylene 721 g	
	• The Corrugated packaging material is made from	1 50% recycled content.

- The Polyethylene high density packaging material is made from 0% recycled content
- The EPE-Expanded Polyethylene packaging material is made from 0% 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 Nickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user. Ozone Depleting Substances Polybrominated Biphenyl (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.
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



	recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
Hewlett-Packard Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report 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
Service and Support	On-site Warranty ^{Note 1} : Three-year (3-3-3) limited warranty delivers three years of on-site, next business- day ^{Note 2} service for parts and labor and includes free telephone support ^{Note 3} 24 x 7. Three-year onsite and labor are not available in all countries. Service offers terms up to 5 years by choosing a Carepack. To choose the right level of service for your HP product, visit HP Care Pack Central: www.hp.com/go/cpc 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.



Options

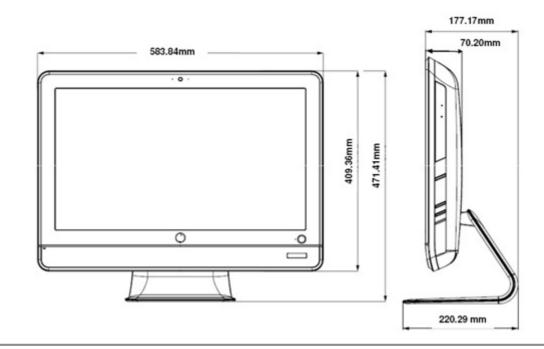
Memory	HP 2 GB DDR3-1333 (PC3-10600) SODIMM	VH640AA
	HP 4 GB DDR3 1333 (PC3 10600) SODIMM	VH641AA
Security	HP Keyed Cable Lock	BV411AA
Miscellaneous	Belkin Promo 7-Outlet Surge Protector	AG290AA#ABA
	Belkin CAT 5E Patch Cable	AH122AA
	Belkin USB to Serial Adapter	EM449AA
Monitors	HP Compaq LA1751g 17-inch LCD Monitor	EM889AA
	HP Compaq LA1951g 19-inch LCD Monitor	EM890AA
	HP Compaq LA1956x 19-inch LED Backlit Monitor	A9S75AA
	HP Compaq LA2006x 20-inch LED Backlit LCD Monitor	XN374AA
	HP Compaq LA2206xc 21.5-inch Webcam LCD Monitor	LW490AA
	HP Compaq LA2205wg 22-inch Widescreen LCD Monitor	NM274AA
	HP Compaq LA2306x 23-inch LED Backlit LCD Monitor	XN375AA
	HP Compaq L2206tm 21.5-inch LED Backlit Touch Monitor	B0L55AA
	HP L2401x 24-inch LED Backlit Monitor	B6R21AA

Technical Specifications

System Unit	Dimensions	With stand:	
	(WxDxH)	23 x 8.66 x 18.58 in	
		58.4 x 22 x 47.2cm	
	Weight	With stand:	
		18.7 lb (8.5 kg)	
		Without stand:	
		15.75 lb (8.5 kg)	
	Shipping Carton Dimensions	27.24 x 11.33 x 22.24 in	
	(WxDxH)	69.2 x 28.8 x 56.5 cm	
	Shipping Carton Weight	28.3 lb (12.85 kg)	
	Temperature	Operating	50° to 95° F (10° to 35° C)
		Non-operating	-22° to 149° F (-30° to 65° C)
	Relative Humidity	Operating	15% to 80% @ 26º C
	Altitude	Operating	0 to 6,562 ft (0 to 2000 m)
	(unpressurized)	Non-operating	0 to 15,000 ft (0 to 4,572 m)
	Industry Standard Certifications	UL	Yes
		CSA	Yes
		FCC Compliance	Yes
		ENERGY STAR®	Yes
		EPEAT	Silver
		EUP Lot6 Tier2	Yes
		RoHS Directive 2002/95/EC	Yes
	For accessibility information on HP products, placed visit; http://www.hp.com/accessibility		

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

Detailed Dimensions





Technical Specifications

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