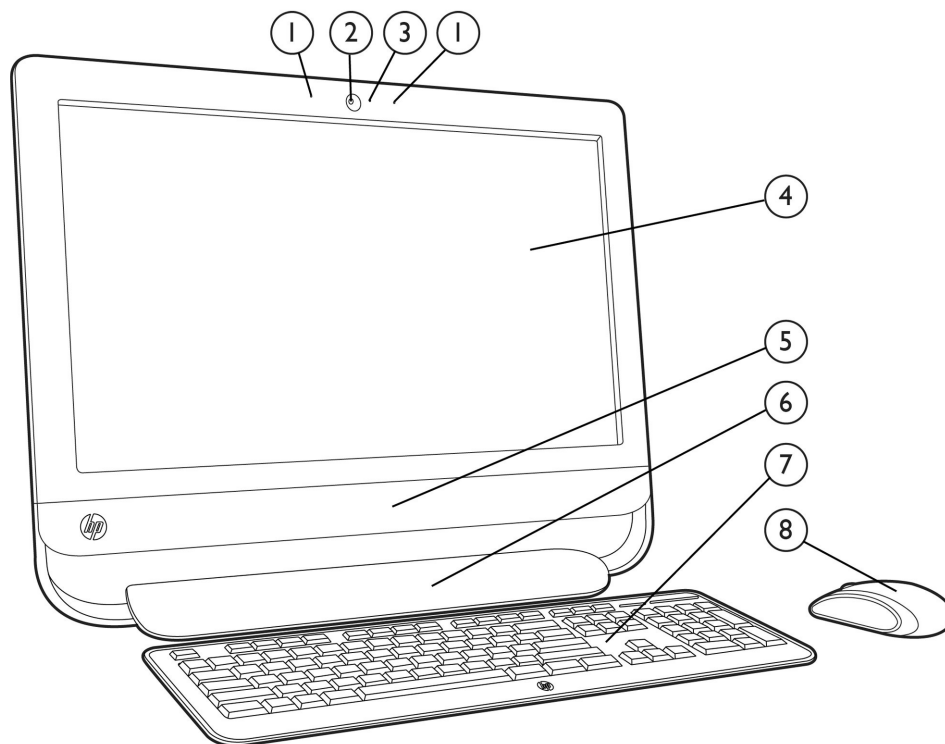
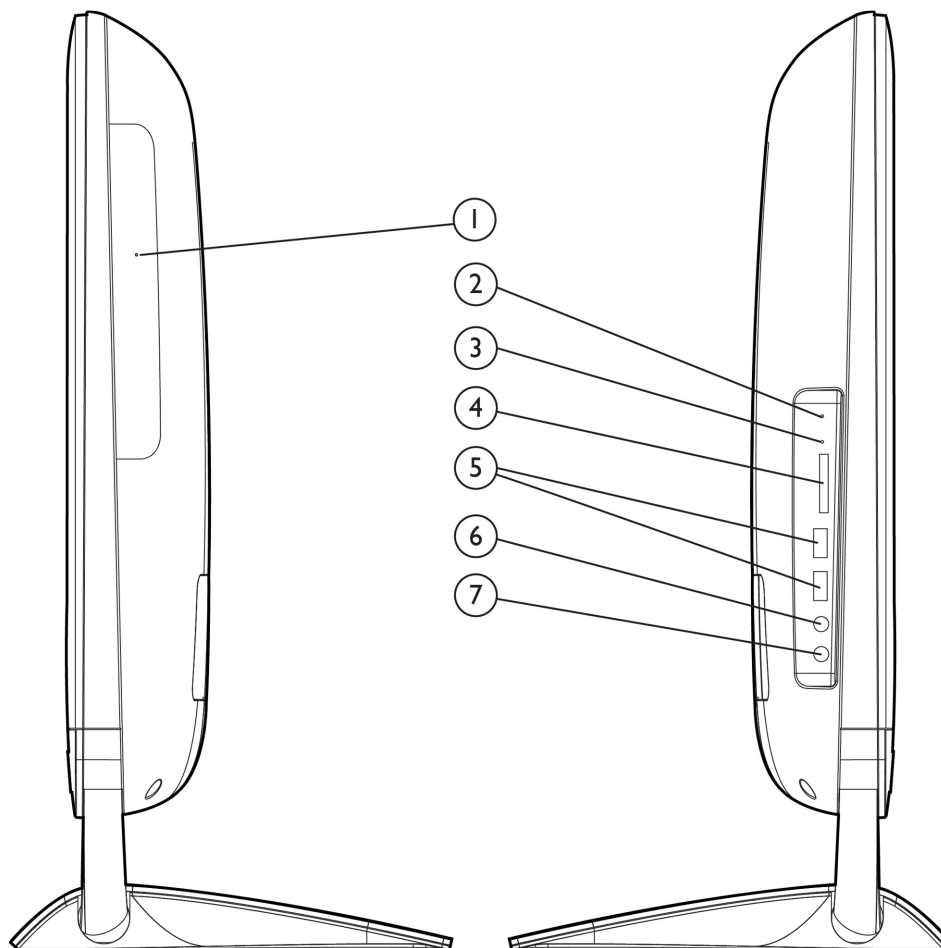


Overview



1. Dual microphone array
2. Fixed 2MP HD low-light webcam
3. Webcam LED indicator
4. 21.5-inch touch-enabled diagonal widescreen LED display with Full HD
5. Stereo Speakers
6. Adjustable tilt stand
7. HP Wireless Keyboard
8. HP Wireless Mouse

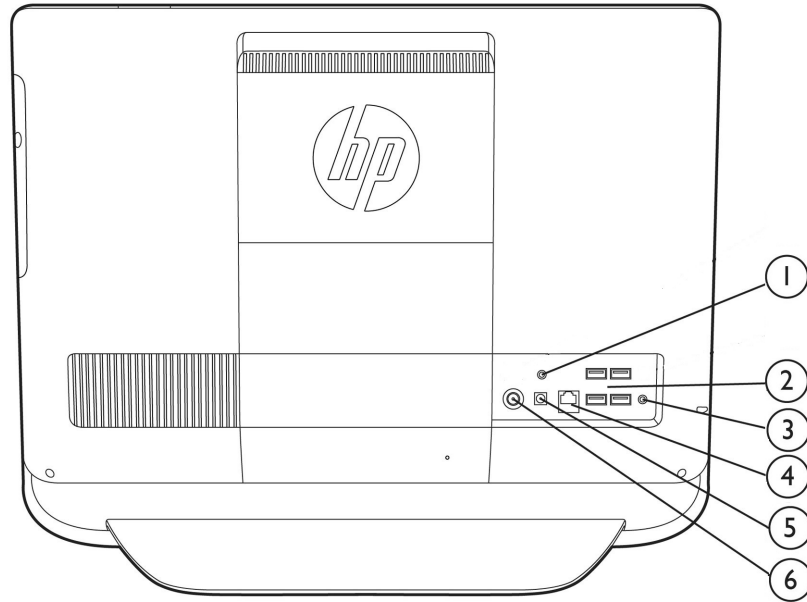
Overview



1. Optical Disk Drive
2. Hard Disk Drive LED Indicator
3. Media Card Reader LED Indicator

4. 6-in-1 Media Card Reader
5. 2 USB 3.0 ports
6. Microphone port
7. Headphone Port

Overview



1. IR Emitter (Blaster) output
2. 4 USB 2.0 ports
3. Line out
4. RJ-45/Ethernet
5. Power connector
6. TV coax in

At A Glance

- Genuine Windows 7 Professional and Genuine Windows 7 Home Premium
- Intel® 2nd Generation Core™ i3, i5, i7 and Intel Pentium Processors
- 21.5-inch touch-enabled diagonal widescreen LED display with Full HD (1080p)
- Integrated All-in-One form factor
- Adjustable tilt stand
- Chassis is tiltable from 0 degrees (full vertical, no forward lean) to 30 degrees backward
- Integrated VESA-compliant mounting hole pattern of 100mm x 100mm for attaching the All-in-One system directly to a wall mount or articulating arm
- Intel H61 Chipset
- Integrated Intel HD Graphics or choice of discrete graphics including: NVIDIA GeForce 5xx 1GB DDR3 MXM 3.0A, NVIDIA GeForce GT 5xx 2GB DDR3 MXM 3.0A, AMD Radeon HD 6450A 1GB DDR3 MXM 3.0A, and AMD Radeon HD 6550A 2GB DDR3 MXM 3.0A
- Realtek RTL 8111E GbE Ethernet Controller (10/100/1000 NIC)
- Fixed 2MP HD low-light webcam; stereo speakers
- HD Audio, Beats Audio enabled through Stereo Speakers and Headphone port
- Optional TV Tuner
- Wireless connectivity:
 - HP Wireless NIC 802.11b/g/n Mini Card (1x1)
 - HP Wireless NIC 802.11b/g/n Mini Card (2x2)

Overview

- HP Wireless WLAN 802.11b/g/n Mini Card (2x2) with BT Combo
- Up to 8GB of DDR3 SDRAM supported, dual channel memory support
- Up to 2 TB hard drive
- Slim Tray Blu-ray Combo Drive (optional on some skus) or Slim Tray Super Multi Drive
- 6-in-1 Media Card Reader
- Available input devices include: USB Keyboard and Mouse, Wireless Keyboard and Mouse, and USB backlit keyboard
- ENERGY STAR® (for Windows OS only)
- EPEAT Silver certification*
- BFR/CFR/PVC-free** (except for keyboard, mouse, power supply and cord)
- Protected by HP Services. Terms and conditions vary by country. Certain restrictions and exclusions apply.

* Where HP registers commercial desktop products. See <http://www.epeat.net> for registration status in your country.

** Meeting the industry definition of 'BFR/PVC-free' per the iNEMI Position Statement on "Low Halogen" Electronics. Plastic parts incorporated into the chassis generally contain < 1000 ppm (0.1%) of bromine or chlorine. Printed circuit board and substrate laminates generally contain < 1500 ppm (0.15%) of total bromine and chlorine. Service parts after purchase may not be BFR/PVC-free. External accessories, including power supplies, power cords, and peripherals are not BFR/PVC-free.

Standard Features

Processors

(Availability depends on model; list is subject to change)

Intel Core i3 Processors:

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)

Intel Core i3-2120 Processor (3.3 GHz, 3 MB cache, 2C/4T)

Intel Core i5 Processors:

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)

Intel Pentium G840 Processor (2.8 GHz, 3 MB L3 cache)

Intel Pentium G850 Processor (2.9 GHz, 3 MB L3 cache)

Operating System

Preinstalled

Genuine Windows 7 Professional (64-bit)*

Genuine Windows 7 Professional (32-bit)

Genuine Windows 7 Home Premium (64-bit)*

* 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

Graphics

Integrated

Intel HD Graphics

NVIDIA GeForce 5xx 1GB DDR3 MXM 3.0A

NVIDIA GeForce GT 5xx 2GB DDR3 MXM 3.0A

AMD Radeon HD 6450A 1GB DDR3 MXM 3.0A

AMD Radeon HD 6550A 2GB DDR3 MXM 3.0A

Display

21.5-inch diagonal widescreen Full HD (1080p) WLED display

Maximum Resolution 1920 x 1080 resolution (16:9)

Contrast ratio 1000:1 typical

Image brightness 250 nits typical

Response time 5ms

Viewing angle (typical) Up to 170° horizontal/160° vertical

Standard Features

Tiltability of Chassis 0 degrees (full vertical, no forward lean) to 30 degrees backward

Adjustable Tilt Stand Tilt adjustments

Memory

Standard PC3-10600 DDR3 1333-MHz non-ECC SDRAM
Two 200-pin SODIMM slots supporting dual channel memory
2 GB (1 x 2 GB)
3 GB (2 GB + 1 GB)
4 GB (1 x 4 GB)
4 GB (2 x 2 GB)
6 GB (1 x 2 GB + 1 x 4 GB)
8 GB (2 x 4 GB)

Dual-channel Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.

NOTE: Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements.

Communications Integrated Realtek RTL8171EH GbE Ethernet Controller (10/100/1000 NIC)*

HP Wireless NIC 802.11b/g/n Mini Card (1x1) Support for 802.11 b, g, and n
Up to 300 mbps data rate
Built-in antennas (1 transmit, 1 receive)

HP Wireless NIC 802.11b/g/n Mini Card (2x2) Support for 802.11 b, g, and n
Up to 300 mbps data rate
Built-in antennas (2 transmit, 2 receive)

HP Wireless Wlan 802.11b/g/n Mini Card (2x2) with BT Combo Support for 802.11 b, g, and n
Up to 300 mbps data rate
Built-in antennas (2 transmit, 2 receive)

* 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.

Standard Features

IO Devices	HP USB Keyboard	104 keys plus special keys for Mute, Volume Up, Volume Down. Separate numeric keypad. Cable length 51 in (130 cm)	
	HP USB Standard Value Keyboard	104, 105, 106, 107, or 109 key layout (depending upon country). Cable length 59 in (150 cm)	
	HP Beats USB Wired Keyboard with Volume Control	104, 105, 106, 107, or 109 key layout (depending upon country). Cable length 70.87 in (180 cm)	
	HP USB Optical Scroll Mouse	Two buttons with scroll wheel acting as third button. Cable length 69 in (175 cm)	
	HP Wireless Keyboard and Mouse	104 keys plus special keys for Mute, Volume Up, Volume Down. Separate numeric keypad. Two buttons with scroll wheel acting as third button.	
Storage	Hard Drive	3.5-inch, 5400 rpm, 3.0 Gb/s, Smart IV SATA Hard Drive: 1.5 TB 2 TB	
		3.5-inch, 7200 rpm, 3.0 Gb/s, Smart IV SATA Hard Drive: 250 GB 320 GB 500 GB 750 GB 1 TB 1.5 TB 2 TB	
		3.5-inch, 5400 rpm, 6.0 Gb/s, Smart IV SATA Hard Drive: 1.5 TB 2 TB	
		3.5-inch, 7200 rpm, 6.0 Gb/s, Smart IV SATA Hard Drive: 250 GB 320 GB 500 GB 750 GB 1 TB 1.5 TB 2 TB	
		Slim Optical Drive	Slim Tray Blu-ray Combo Drive Read: 8x max DVD-ROM, 24x max CD-ROM Write: 8x max DVD±R, 6x max DVD±R DL, 8x max DVD+RW, 6x max DVD-RW, 5x max DVD-RAM, 24x max CD-R, 24x max CD-RW Slim Tray Super Multi Drive
	I/O Slots	Half Height Mini PCIe x1	One (For Wireless LAN module)
		Full Height Mini PCIe x1	One (TV Tuner module)

Standard Features

Interfaces

6-in-1 Media Card Reader	Supports Secure Digital (SD, SDHC), MultiMedia Card, Picture Card, Memory Stick, Memory Stick Pro
USB 2.0	Four (rear)
USB 3.0	Two (side)
Stereo audio headphone jack	One
Stereo audio line out	One
Coaxial Cables for Tuner	One
IR Blaster	One
Power connector	One
RJ-45/Ethernet	One

Audio/Visual

Integrated IDT 92HD91 Audio (Beats Audio) - 16 & 24-bit PCM
Integrated high-performance stereo speakers
Volume control and mute buttons (on keyboard on select skus)
Stereo headphone jack
Stereo line out
Integrated 2 MP HD (1080p), low-light webcam with two built-in microphones
TV Tuners (configurable):
DVB-T+PAL (HW encode), ATSC+NTSC (HW encode), PAL/DMB-T

Software

Preinstalled software (varies by country)	Microsoft Office 2010 Starter 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 2011 Cyberlink PowerDVD Cyberlink Label Print Cyberlink Power 2 Go CyberLink Power Starter CyberLink Power Director PDF Complete Special Edition HP SimplePass PE 2011 Norton Internet Security 2011 (60 day)* HP Power Assistant HP Recovery Manager HP Vision Hardware Diagnostics HP Support Assistant (HPSA) Authentec SimplePass PE (to support Intel One Time Password)** HP MyRooms (up to 3 people per meeting)
Additional software available on optical disk	
Optional software (varies by country)	Credential Manager for HP ProtectTools HP ProtectTools Security Suite for SMB

* 60 day trial period for Norton Internet Security. Internet access required to receive updates. First update included. Subscription required for updates thereafter.

** Available on Intel Core i3, i5, and i7 cpus (not on Pentium or Celeron)

Standard Features

SMBIOS	System Management BIOS, previously known as DMI BIOS, is used to store system management information.
Security	Lock slot Optional HP ProtectTools Security Software Suite Optional HP Credential Manager
Power Supply	External 87% efficient, 150W 19V/7.9A power supply for UMA graphics cards External 87% efficient, 180W for MXM graphics cards
Service and Support	<p>On-site Warranty^{Note 1}: One-year (1-1-1) limited warranty delivers one year of 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. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: http://www.hp.com/hps/carepack.</p> <p>NOTE 1: Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region.</p> <p>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.</p> <p>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.</p>

Technical Specifications - System

System Unit	Dimensions (WxDxH)	21.64 x 8.09 x 17.22 in (including stand) 54.97 x 20.54 x 43.75 cm (including stand) 21.64 x 2.59 x 14.81 in (without stand) 54.97 x 6.57 x 37.61 cm (without stand)
	Weight	23.35 lbs (10.59 kg) (UMA) 23.92 lbs (10.85 kg) (MXM)
	Packaging Dimensions (WxDxH)	24.68 x 9.92 x 19.76 in 62.7 x 25.2 x 50.2 cm
	Shipping Weight	28.79 lbs (13.06 kg)
	Stand-Alone Power Requirements	Electrical Ratings 100-240 V, 50/60 Hz, 2.0 A Idle Operating Power Integrated graphics: 30W Max Operating Power <150W for systems with UMA graphics cards <180W for systems with MXM graphics cards
	Temperature	Operating 41° to 95° F (5° to 35° C) Non-operating -22° to 149° F (-30° to 65° C)
	Relative Humidity	Operating 15% to 80% @ 26° C
	Altitude (unpressurized)	Operating 0 to 6,562 ft (0 to 2000 m) 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 (for Windows OS only) EPEAT Silver* (for Windows OS only)
	Environmental	BFR/PVC Free Yes (External accessories, including power supplies, power cords, and peripherals are not BFR/PVC-free.) Arsenic free display glass Yes Leakage current meets Yes NFPA99 TAA Compliant Yes

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

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