

HP z560 Digital Entertainment Center



The latest models of the revolutionary HP Digital Entertainment Center bring together all of your digital entertainment in one sleek device. And with larger hard drives, more powerful processors, and enhanced connectivity, they can provide an even richer digital entertainment experience.

Stay connected.



Stay connected. The HP Digital Entertainment Center works beautifully with the rest of your home theater equipment, linking to your TV or projector through a broad variety of connections, including HDMI, DVI¹⁰, Component and VGA, which transfer uncompressed digital audio and video for the best possible image and sound quality.

Quiet but sexy. The black, brushed-aluminum finish looks at home in your living room or home theater. An ultra-quiet design keeps your focus on your entertainment experience, not on your system.

TV at your speed. Three high-performance TV tuners (two standard-definition, one ATSC over-the-air high-definition³) and a personal video recorder (PVR) let you pause, replay, and record from cable, digital cable, digital satellite, or over-the-air TV. Record up to three TV programs simultaneously.

TV on your time. Search for and record your must-see TV shows with the included Electronic Program Guide.⁴ You can capture single episodes or entire series on the HP Digital Entertainment Center. You'll never miss another episode of your favorite show!

Everything at your fingertips.



Everything at your fingertips. A single remote control gives you instant access to all your digital entertainment – TV, DVD movies, home videos, music, photos, and FM radio – through Microsoft® Windows® XP Media Center Edition 2005.

Future-friendly. The HP Digital Entertainment Center is specifically designed with the power and features needed to upgrade to and run Windows Vista™ Premium – the next generation of the industry-leading operating system.

Listen in. Burn your own CDs⁵ or enjoy the ones you already have. You can even select individual songs, create playlists, or search for music by title, artist, and album. It's like having a jukebox right in your living room!

Movie magic. Play your favorites or download new ones – and get ready for crisp, clear images and unbeatable surround-sound from your big-screen TV.

Your turn to burn. Create your own media library when you record TV shows, home videos, and music onto space-saving DVDs with the DVD SuperMulti drive.^{5,6,7}

Focus on fun.



Focus on fun. Transfer your latest and greatest digital photos using the front-panel 9-in-1 memory card reader, then use your remote control to create slideshows for the whole family.

Leave a lasting impression. Use LightScribe technology and software to burn custom, laser-etched CD and DVD labels.⁸ It's as easy as burn, flip, burn!

Hold everything. With the 300GB⁹ internal hard drive, you'll have plenty of storage for hours of recorded TV and other digital files. And you can purchase a removable HP Personal Media Drive for even more storage space.

Content-capable. The HP Digital Entertainment Center uses dual-core Intel® processors¹ and Intel Viiv™ compatibility to let you access a host of unique content features and unlock an amazing new world of digital entertainment throughout the home.²

¹ Dual core is a new technology designed to improve performance of multithreaded software products and hardware-aware multitasking operating systems and may require appropriate operating system software for full benefit; check with software provider to determine suitability. Not all customers or software applications will necessarily benefit from use of this technology.

² Home networking capability and many Intel Viiv technology-based usage models will require additional hardware devices, software, or services. Functionality of Intel Viiv technology-verified devices will vary; check product details for desired features. System and component performance and functionality will vary depending on your specific hardware and software configurations. See www.intel.com/go/viiv_info for more information.

³ High-definition (HD) source content varies and will depend on broadcast signal, antenna, and other factors. In cities where local off-air HD programs are available, reception may vary based on geographic location. An external over-the-air antenna that receives UHF and VHF signals is required for ATSC reception. Viewing HD content will require a compatible high-definition display. Ability to record, edit, or transfer broadcast content such as TV programming may be limited depending on the type of content.

⁴ Electronic Program Guide provided by Microsoft®. Broadband Internet access required at additional cost.

⁵ Intended only for creation and storage of original material and other lawful uses.

⁶ Actual speeds may vary. Does not permit copying of commercially available DVD movies or other copyrighted materials.

⁷ The PC ships with the Double Layer DVD writer, which supports single layer and Double Layer DVD media. Double Layer technology gives you greater capacity and allows you to store up to 8.5GB of data on double layer DVD+R media. Double Layer is a new technology. Double layer media compatibility will widely vary with some home DVD players and DVD-ROM drives.

⁸ LightScribe creates a grayscale image similar to a black-and-white photograph. LightScribe media required and sold separately.

⁹ When referring to hard drive capacity, 1GB = 1 billion bytes. Actual formatted capacity is less.

¹⁰ Via included HDMI/DVI adapter.

Storage

Total Hard Drive Space	300GB ¹
Internal Hard Drive	300GB 7200RPM Serial ATA ¹
Secondary Hard Drive (via HP Personal Media Drive bay)	HP Personal Media Drives can be purchased to support larger media files collections
DVD Player and Recorder	Super Multi DL-DVD recorder: DVD-RAM, DVD+R/RW, CD-RW LightScribe; Progressive Scan DVD movie playback at 480p (via DVI or Component video out ²); 16X max. DVD+R, 8X max. DVD+RW, 8X max. Double Layer DVD+R ³ ; 16X max. DVD-R, 6X max. DVD-RW, 4X max. Double Layer DVD+R ³ ; 16X max. DVD-ROM, 5X DVD-RAM; 40X max. CD-R, 32X max. CD-RW, 40X max. CD-ROM ³

Television and Video

Television Tuners	One NTSC dual TV tuners with pause, review, and programmable record capabilities; 30FPS, 60Hz frequency; One ATSC TV tuners with pause, review, and programmable record capabilities; Support up to 1920 x 1080i (HDTV)
Television Inputs (per NTSC tuner)	One RF coaxial; One S-video; One composite video; Stereo RCA jacks (left/right)
Personal Video Recorder	Personal Video Recorder (PVR) with high performance hardware encoder; Records television digitally to internal hard drive or HP Personal Media Drive; Features pause, instant replay and 30-second skip; Compatible with cable, digital cable, digital satellite TV and antenna; Records up to two NTSC TV channels and one ATSC TV channel simultaneously & watch one prerecorded show or watch one of the shows currently being recorded
Electronic Programming Guide	14-day programming guide for use with Personal Video Recorder ⁴ ; Downloadable at no charge via broadband/high-speed Internet connection ⁵
Video Processor	256 MB NVIDIA GeForce 7600 GS; 16X PCI-Express
Rear Video Output Jacks	One HDMI (High-Definition Multimedia Interface) with Digital Audio, One VGA, One component video (YPbPr)

Audio

Audio Chip	Intel® High Definition Audio with 7.1 surround sound (pre-amp); Realtek ALC885 Hi-Def audio codec
Audio Support	Dolby Digital 5.1 surround sound support; Analog 7.1 pre-amp surround sound support; Supports playback of MP3, AAC, WMA, WAV and PCM music files; Supports playback of audio CDs and DVD-video
Rear Audio Out Ports	Eight RCA audio jacks for 7.1 surround sound analog output; One Toslink optical for 5.1 digital output (S/PDIF); One coaxial for 5.1 digital output (S/PDIF); Two RCA audio jacks for stereo line-level line-out
Front Audio Out Ports	One ¼" headphone
Front Audio In Ports	One microphone
FM Tuner	One FM tuner with pause and replay capabilities; Nine user-defined FM preset stations; Range 87.5 - 108.0 MHz; 75ohm RF coaxial antenna included

Computing Power

Processor Model	Intel® Pentium D 925 Dual Core processor, operates at 3.0 GHz ⁶
Secondary-Level Cache Size	2x2MB Integrated On-Die Level 2
Front-Side Bus Speed	CPU front side bus 800 MHz
Motherboard Chipset	Intel® 945P (Intel Viiv ready)
System Memory	1GB DDR2 SDRAM (2x512), expandable to 4GB

¹GB = 1 billion bytes when referring to hard drive capacity. Actual formatted capacity is less.

²Desktop resolution must be set to 640 x 480 for DVD playback via Component Video.

³Actual speeds may vary from maximum speeds. DVD formats not universally compatible.

⁴EPG provided by Microsoft®.

⁵Broadband Internet access requires payment of additional fees or subscription for use.

⁶GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance.

Internet Connectivity

Ethernet	10/100/1000 Base-T Gigabit Ethernet (RJ-45)
WiFi	802.11a/b/g wireless receiver (removable antenna Included)

Peripheral Ports

USB	Two front Hi-Speed USB 2.0; Four rear Hi-Speed USB 2.0
FireWire (IEEE 1394)	One front 4-pin FireWire (IEEE 1394) for connectivity to camcorders; One rear 6-pin FireWire (IEEE 1394)
Media Card Reader	One USB 2.0 front-accessible 9-in-1 Flash Media Card Reader; Supports Secure Digital, xD, Smart Media, MultiMedia Card, Compact Flash Types I/II, IBM MicroDrive, Memory Stick, Memory Stick Pro
Infrared Transmitter	Two rear infrared (IR) blaster ports with IR blaster cables included; Changes TV channels on digital cable and satellite set-top boxes

Case & Power

Product Finish	Black brushed-aluminum with HP Media Info Display
Power Supply	250W
Power Requirements	100-240V AC, 50/60Hz
Power Management	Energy Star Compliant*

Accessories

Keyboard and Trackball	HP lap-sized wireless entertainment keyboard with integrated trackball; Keyboard includes 7 multimedia control keys and 3 programmable keys
Supplied Accessories	HP Digital Entertainment Center infrared remote control; HP Digital Entertainment Center Set-up Book; HP Digital Entertainment Center Getting Started Guide; Microsoft Windows Media Center Edition 2005 Software Guide
Supplied Cables	One power cable; One HDMI a/v cable; One HDMI to DVI-D adapter; One left/right RCA audio; Two infrared blasters to control set-top boxes
Supplied Antennas	Coaxial FM radio antenna; External 802.11b/g antenna

Dimensions & Weight

Unpackaged Dimensions (Case Only) WxHxD	17.0 in./43.1 cm. x 4.4 in./11.1 cm x 16.6 in./42.2 cm.
Packaged Dimensions WxHxD	24.25 in./61.6 cm. x 11.50 in./29.2 cm. x 20.25 in./51.4 cm.
Unpackaged Weight (Case only)	24.5 lb./11.1 kg.
Packaged Weight	36.0 lb./16.3 kg.

Software

Operating System	Microsoft® Windows® XP Media Center Edition 2005
Multimedia Applications	Sonic DigitalMedia Home to burn CDs/DVDs and make data back-ups; Sonic MyDVD Plus to make DVD Movies
Upcoming OS Support	Windows Vista™ Premium Ready†

*Can be configured to be Energy Star Compliant.

†Not all Windows Vista features are available for use on all Windows Vista Capable PCs. All Windows Vista Capable PCs will run the core experiences of Windows Vista, such as innovations in organizing and finding information, security, and reliability. Some features available in premium editions of Windows Vista – like the new Windows Aero™ user interface – require advanced or additional hardware. Check www.windowsvista.com/getready for details.

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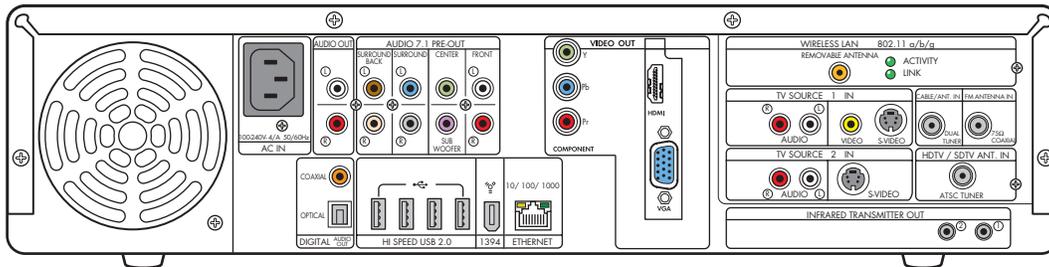
Operating requirements

Minimum	TV or high-resolution display with HDMI, *DVI, VGA or component video inputs; High-speed Broadband Internet connection (to download Electronic TV Programming Guide. Internet connection purchased separately); TV signal source (via cable, satellite or antenna); Self-powered amplified speakers or basic A/V receiver
Recommended	High definition TV or display (LCD, plasma, rear projection, front projection); A/V receiver with 5.1 or greater surround sound output

Service and support information

Limited Warranty	One year parts and labor
Telephone Support	One year toll-free hardware support (24/7/365); 90 days toll-free software support
Repair Options	Service options may include: Customer replaceable parts; Return to HP for repair; Use HP authorized service provide; Visit www.hp.com/support for more information
Support Options	Click on desktop icon for built-in Help and Support Center; Visit www.hp.com/support for easy access to online FAQs and troubleshooting information; Call HP Customer Care toll-free 24/7 for direct, knowledgeable assistance
Extended service plan	Choose from a variety of HP Extended Service Plans to meet your unique needs; Call 1-866-234-1377 or visit www.hp.com/ownerservices for more information

*DVI uses HDMI to DVI adapter, include.



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