Brochure

HP Z Workstations and Adobe

Create stunning media and entertainment content with HP Z Workstations.

HP recommends Windows.

“The Adobe professional video line of products in Creative Cloud paired with HP Z Workstations provide impressive performance. For years, the HP and Adobe engineers have worked closely to help ensure that our video applications take full advantage of the HP Z Workstation performance capabilities so our customers experience the most powerful post-production workflow.”

– Bill Roberts, Director of Product Management Professional Audio and Video Solutions, Adobe

Does your workstation meet your digital media challenges?

It’s no secret that the media and entertainment industry is constantly evolving, and the push to deliver better content faster is an everyday challenge. To meet those demands, technology matters—a lot. You need innovative, high-performing, reliable hardware and software tools tuned to your applications so you can create captivating content, meet tight production schedules, and stay on budget. HP offers an expansive portfolio of integrated workstation hardware and software solutions designed to maximize the creative capabilities of Adobe® software. Together, HP and Adobe help you create stunning digital media.

The HP difference

HP Z Workstations are engineered to optimize the way hardware and software components work together, delivering massive, whole-system computational power that helps maximize your productivity and makes creating digital media faster and more efficient than ever before.

Innovation

Enjoy next-generation technology, including the award-winning HP Z Workstation design, to help you create and visualize even the most complex projects. This revolutionary design brings a tool-less chassis, advanced cooling, Thunderbolt™ 2 connectivity, and choice of power with up to 90% efficient power supplies. Add the HP Z Turbo Drive™ to reduce boot up, graphics and video response times. Boost your creative workflow with the powerful HP DreamColor Professional Displays that offer breakthrough color accuracy and unbelievably affordable 4K support.

Performance

Advanced compute and visualization power help speed your work, beat deadlines, and meet expectations. At the heart of HP Z Workstations are the new Intel® processors with advanced processor performance technologies, Thunderbolt™ 2—the industry’s fastest, most versatile I/O connection and NVIDIA® Quadro® professional graphics cards with the NVIDIA® CUDA® parallel processing architecture; delivering real-time previewing and editing of native, high-resolution footage, including multiple layers of 4K video. Intel® Turbo Boost™ is designed to enhance the base operating frequency of processor cores, providing more processing speed for single and multi-threaded applications. The HP Z Workstation cooling design enhances this performance.

Reliability

HP product testing includes application performance, graphics and comprehensive ISV certification for maximum productivity. All HP Z Workstations come with a limited 3-year parts, 3-year labor and 3-year onsite service (3/3/3) standard limited warranty that is extendable up to 5 years.³ You can be confident in your HP and Adobe solution.
HP and Adobe working together

**HP and Adobe**

Working together, HP and Adobe help you solve some of your toughest digital media challenges with innovative hardware and software that are tuned and integrated for better performance. Adobe revolutionizes how the world engages with ideas and information. For more than two decades, the company’s award-winning software and technologies have redefined business, entertainment and personal communications by setting new standards for producing and delivering content that engages people virtually anywhere at any time. HP engineers work closely with Adobe to verify that HP Z Workstations can take full advantage of the creative tools in Adobe Creative Cloud™. Adobe applications are thoroughly tested and optimized on HP Z Workstations, giving you greater confidence in your production solution.

**Adobe Creative Cloud**

Adobe Creative Cloud reimagines the creative process for video professionals, with new tools and services that allow you to create and deliver compelling stories to more screens and more audiences. Creative Cloud membership gives you access to the complete set of industry-leading Adobe video tools, as well as all other Adobe creative desktop applications. Plus, you get new features and upgrades as soon as they are available.

The powerful Adobe video software applications in Creative Cloud, including Adobe Premiere® Pro CC and Adobe After Effects® CC, as well as services such as Adobe Story CC Plus, offer unrivaled integration and deep third-party support, providing a highly efficient workflow. Innovative features result in greater creative control over productions, so you can tell your story with more impact.

**Adobe Creative Cloud professional video, you get:**

- **Adobe Premiere® Pro CC**
  Edit video with speed and precision with this industry-leading editor offering a clean, easily customizable interface and native support for a huge range of file formats. Designed to work the way editors think, Adobe Premiere Pro CC offers a slew of features and refinements, including media management enhancements, masking and tracking features, a powerful audio toolset, and a highly responsive Mercury Playback Engine.

- **Adobe After Effects® CC**
  Take your creativity to new heights with the industry standard for motion graphics and visual effects. Create photoreal visual content fast with advancements in 3D, such as a Live 3D Pipeline between After Effects CC and CINEMA 4D, an enhanced 3D Camera Tracker, and layer and mask snapping for faster 3D construction.

- **Adobe SpeedGrade™ CC**
  With the Lumetri™ Deep Color Engine, shape light and color and add character to shots and transform the mood of any edited piece. SpeedGrade CC includes a Snapshot Browser, film stock emulations, Luma Waveform display, Mercury Transmit support for external monitoring, and more.

- **Adobe Audition® CC**
  Sound your best with Adobe Audition CC which allows you to visualize sound as you work, whether in the multitrack environment, as traditional waveforms, or using the Spectral Frequency Display where you can isolate and repair elements of your audio using Photoshop-style tools, including more selection capabilities.

- **Adobe Prelude™ CC**
  Jumpstart your production with Adobe Prelude CC for ingest and logging to workfaster, stay organized and prepare footage for a streamlined post-production process. Save time in Adobe Prelude CC with an intuitive, keyboard-driven workflow entering temporal markers and other searchable metadata, while keeping the focus on your footage.

**Broadcast TV powered by HP Z Workstations**

**Viral Videos powered by HP Z Workstations**

HP recommends Windows.
Meet the HP Z Workstation family

Combining bold design and world-class engineering, the HP Z Workstation family takes innovation, performance, and reliability to the next level—to give you and your business a competitive edge. HP Z Workstations are tested and certified for Adobe applications, helping ensure powerful, dependable performance.

HP Z Workstations deliver enhanced workstation performance with the latest Intel® processors with Intel® Turbo Boost4 and Hyper-Threading6 technologies, in a very affordable package that transforms the way digital media and entertainment professionals work. The next-generation system architecture enables fast and efficient performance while built-in HP reliability helps you work more productively and get the job done faster.

HP Z1 Workstation (with Touch option)*

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<th>All-in-One evolution. &gt;&gt;</th>
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<td>When you work in the creative sector, space on your desk is often at a premium. The all-in-one HP Z1 Workstation helps you simplify your desktop, save space, and eliminate wires. It puts the performance and reliability of a complete HP Z Workstation expertly designed into the back of a 27-inch diagonal, brilliant, large-screen HD display. Customize your display with optional 10-point touch technology in a stunning edge-to-edge glass design.2 Better still, easily add a hard drive, a Thunderbolt™ 21 module, upgrade memory, or access the graphics card with the tool-less chassis design.</td>
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HP Z440 Workstation

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<th>Expand your power. &gt;&gt;</th>
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<td>The HP Z440 Workstation is ideal for digital media and entertainment professionals who need the maximum in single-socket processor power. Adobe Premiere Pro users will find this as their mainstream workstation. It combines ECC memory to handle large files, as well as the full range of 3D professional graphics and the latest Intel® processors.</td>
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HP Z640 Workstation

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<th>Flexible, powerful, ready to work. &gt;&gt;</th>
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<td>Expand your capabilities with the HP Z640 Workstation, a system that lets you configure and reconfigure with ease to create your perfect solution. Then concentrate on your work, not your workstation, as you experience powerful performance, whisper-quiet computing, and tool-less access in a conveniently compact design. With the innovative HP Z Turbo Drive,2 set a new performance curve as you revolutionize how you handle large files and reduce boot up, calculation, and graphics response time.</td>
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HP Z840 Workstation

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<th>More power to you. &gt;&gt;</th>
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<td>The HP Z840 Workstation delivers the latest performance in a revolutionary next-generation design that accelerates even the biggest, most complex digital media and entertainment projects. This high-end workstation offers the maximum in dual-socket performance, data storage, and expandability available in the HP Z Workstation line and is ideal for power users of Adobe Creative Cloud.</td>
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HP ZBook Mobile Workstations

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<th>On the go creativity knows no limits. &gt;&gt;</th>
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<td>Showcase your best work in the office or in the field with the HP ZBook 15 and 17 Mobile Workstations. The ZBook 15 is our most versatile mobile workstation with Thunderbolt™ 21 and optional quad-core CPUs,2 HP Z Turbo Drive storage,2 and optional QHD+ display options.2 The HP ZBook 17 Mobile Workstation redefines power on the move, combining the best in visualization and computational power with a 17-inch diagonal display for HP's high performance mobile workstation. The HP ZBook 17 features the Thunderbolt™ 21 port and an optional DreamColor Display panel that provides accurate and consistent color from the display to print and the big screen.</td>
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The HP DreamColor and HP Z Displays

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<th>You dream it, we deliver it in breathtakingly accurate color. &gt;&gt;</th>
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<td>The HP DreamColor and HP Z Displays are designed and engineered with HP Z Workstations to outperform, so you can outperform with striking visual results. Work in brilliant, trusted 10-bit color that drives up to 1.07 billion on screen colors and bring your ideas to life with the HP DreamColor Professional displays. Both DreamColor displays are user calibratable and the Z27x features 4K2 support, and an integrated calibration engine for calibration without a PC and can be managed remotely via Ethernet port. HP DreamColor displays are ideal for a wide range of color workflows, including visual effects, film and video post-production, and broadcast news editing.</td>
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HP Performance Advisor

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<th>The built-in workstation guru. &gt;&gt;</th>
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<td>HP Performance Advisor delivers a simple, effective way to keep your HP Z Workstation operating at its peak potential. Like having an IT pro always on hand, this helpful software wizard can take you from initial configuration and customization through the optimization of your system for each new application and driver you install.</td>
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“...You don’t have to have millions of dollars to show people your vision in today’s media. We can shoot and then begin editing immediately to quickly show people the work. When we deployed the HP Z Workstations, the improvements were like night and day. What’s more, we can take the HP DreamColor monitor on set with us to visually and correctly see the work we’re doing.”

-- Jacob Rosenberg, chief technology officer, partner and director, Bandito Brothers

Bandito Brothers video
workstations.tv
HP Z Workstations for Adobe products

Adobe Creative Cloud
- Adobe® Premiere® Pro
  Edit your way
- After Effects®
  Create moving images as unlimited as your imagination
- Adobe Audition™
  Sound your best
- Adobe Speedgrade®
  Craft the perfect look for every production
- Adobe Story and Adobe Prelude™
  Move faster from production to post

HP Z Workstations
- HP Z1 (with Touch option)*
  All-in-One evolution—powerful and refined with Touch option*
- HP Z440
  Performance you want, value you need
- HP Z640
  Flexible, powerful, ready to work
- HP Z840
  Ultimate multi-core workstation for performance and expandability

HP ZBook Mobile Workstations
- HP ZBook 14
  The world’s first workstation Ultrabook™ redefines mobile computing with a 14” diagonal display.
- HP ZBook 15
  Empower your creativity with Thunderbolt™ 2™ technology.
- HP ZBook 17
  HP’s most powerful mobile workstation with a 17” diagonal optional DreamColor display and Thunderbolt™ 2™ technology.

HP Performance Displays
- HP Z27x DreamColor® 27” AH-IPS LED LCD
  16:9 2560 x 1600 with 7 factory calibrated color space presets; 10-bit 1.07 Billion color output; 100% gamut coverage in sRGB, Adobe RGB, BT.709 and 99% DCI-P3; Internal Calibration engine; Two DP 1.2 and one HDMI inputs
- HP Z24x DreamColor® 24” AH-IPS LED LCD
  16:10 1920 x 1200 with 5 factory calibrated color space presets; 10-bit 1.07 Billion color output; 100% gamut coverage in sRGB, Adobe RGB, BT.709 and 96% DCI-P3; DP 1.2 input, DP 1.2 output (MST), DVI-D, HDMI inputs
- HP Z30i 30” AH-IPS LED LCD
  30” diagonal with 4.1 million pixels and 100% Adobe RGB gamut coverage
- HP Z27i 27” AH-IPS LED LCD
  27” diagonal with 2560 x 1440 resolution with DisplayPort 1.2, DVI-D, HDMI and VGA inputs
- HP Z24i 24” IPS LED LCD
  24” diagonal with 1920 x 1200 resolution with DisplayPort 1.2, DVI-D and VGA inputs

Adobe professional software demands workstation power

HP Z Workstations are designed, tested, and built for Adobe users looking for high performance and extreme stability. HP does this with features that include:

- Multi-core® Intel® Xeon® processors
- Professional graphics cards from NVIDIA®
- Microsoft Windows operating systems
- Thunderbolt™ 2™ port offered on HP Z1, Z230, Z440, Z640, Z840, ZBook 15, and ZBook 17 Workstations
- Fast, reliable memory, and expanded I/O options
- EPEAT® Gold®-rated and ENERGY STAR®-certified configurations
- 2x storage performance over SATA SSDs with HP Z Turbo Drive2 and massive storage options (up to 15 GB)

Learn more at hp.com/go/adobe and hp.com/zworkstations

* Not available in all countries. Check with your HP representative for availability in your location.

1. Thunderbolt™ 2 is standard on the ZBook 15 G2 and ZBook 17 G2 and available via an optional add in card on desktop workstations. Thunderbolt is new technology. Thunderbolt cable and Thunderbolt device (sold separately) must be compatible with Windows. To determine whether your device is Thunderbolt Certified for Windows, see thunderbolttechnology.net/products.
2. Sold separately or as an optional feature.
3. 4K content required to view 4K resolution.
4. Intel® Turbo Boost Technology (Intel® TBT) requires a PC with a processor with Intel® TBT capability. Intel® TBT performs on the available processor and if not present, the processor will run at its maximum speed.
5. Limited three-year Mon-Fri 8-5 next business day, parts, labor and 24x7 phone support, terms and conditions vary. HP Care Pack Services extend service contracts beyond the standard warranties. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services LookUp! Tool at hp.com/go/lookuptool. Additional HP Care Pack Services/Information about these products is available at hp.com/go/cpc. Service levels and response times for HP Care Packs vary depending on your geographic location. The HP Thunderbolt™ 2 Module has a one-year Limited Warranty or the remainder of the warranty of the HP supported product in which it is installed.
6. Intel HT Technology (HT) is designed to improve performance of multi-threaded software products and requires a computer system with a processor supporting HT and an HT-enabled chipset, BIOS, and operating system. Please contact your software provider to determine compatibility. Not all customers or software applications will benefit from the use of HT. See intel.com/info/hyperthreading for more information.
7. Not all configurations qualify as an Ultrabook™.
8. Multi-core technologies are designed to improve performance of multi-threaded software products and hardware-aware multitasking operating systems and may require appropriate operating system software for full benefits. Not all customers or software applications will necessarily benefit from use of these technologies.
9. EPEAT® Gold registered in the U.S. See epeat.net for registration status by country.

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