

HP Z Workstations and Avid



Create stunning digital media and entertainment content with HP Z Workstations.



HP recommends Windows.

“HP Z Workstations empower our PC-based customers to push the limits of their creativity by providing a powerful and flexible platform that can handle the rigors of complex editing and effects—allowing them to produce the best end result each time.”

— Ken Miles, Senior Director, Corporate Development, Avid



Can you 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 your team 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 Avid® software. Together, HP and Avid 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. Whether in a desktop or a mobile system, HP Workstations also bring you high system reliability, HP DreamColor technology to maintain consistent colors, Thunderbolt™ 2¹ connectivity, and tool-less chassis designs to simplify system maintenance and upgrades.

Performance

Advanced computational 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™ 2¹—the industry's fastest, most versatile I/O connection, and NVIDIA® Quadro® professional graphics cards with the NVIDIA CUDA® parallel processing architecture. Together, these both provide real-time previewing and editing of native, high-resolution footage, including multiple layers of 4K video. Intel® Turbo Boost² 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 Workstations come with a limited 3-year parts, 3-year labor, and 3-year onsite service (3/3/3) standard warranty that is extendable up to 5 years.³ You can be confident in your HP and Avid solution.



Professional tools demand workstation power

HP Z Workstations are designed, tested, and built for Avid users looking for high performance and extreme stability.

Professional audio editing

Pro Tools

For serious professionals in top music studios, post-production and broadcast facilities, editing suites, and mobile production trucks worldwide. Record, edit, and mix with the industry-standard music and audio production software.

Professional video editing

Media Composer

Get the tools and workflows you need for professional film and video editing.

Newsroom

Media Composer | NewsCutter Option

Designed for high-pressure broadcast news editing from the field to newsroom.

Learn more

hp.com/go/avid

hp.com/zworkstations

Meet the challenge with HP and Avid

Tackle your toughest creative challenges with the powerhouse combination of HP and Avid working together. Avid is a world leader in digital media creation tools for film, video, music, audio, and broadcast professionals—as well as aspiring pros. Today, the vast majority of feature films, prime-time TV shows, commercials, and hit music are made using one or more Avid products. When you run Avid audio and/or video applications on HP Z Workstations—which were designed in tandem with Avid engineers—you get an unbeatable technology solution. As a bonus, Avid applications are certified on all HP Z Workstation models to help ensure that they will deploy right out of the gate.

HP Z Workstations for Avid Users

HP Z440 Workstation

The HP Z440 Workstation is ideal for digital media and entertainment professionals who need the maximum in single-socket processor power. Media Composer and Pro Tools users will find this as their mainstream workstation. It supports flexible memory and disk combinations to handle large workflows as well full range of 3D professional graphics and the latest Intel processors.

HP Z640 Workstation

HP Z640 Workstation is designed for Avid film, video, and audio pros looking for high performance, extreme expandability, and mission-critical reliability. Designed with Z DNA to provide a high-end workstation experience at a mid-range price point.

HP Z840 Workstation

The HP Z840 Workstation delivers the ultimate 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 Pro Tools systems and Media Composer.

HP ZBook Mobile Workstations

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 15 features a Thunderbolt™ 2¹ port, while the HP ZBook 17 features the Thunderbolt™ 2¹ port and an optional DreamColor Display panel that enables true color visualization in addition to top performance for Avid audio and video applications.

HP DreamColor and Ultra-high Def Z Displays.

HP DreamColor Professional Displays have the features that color professionals need to excel in their work. These displays are ideal for a wide range of color workflows, including animation, visual effects, post-production, digital photography, and digital pre-press. Work in brilliant, trusted color and bring your ideas to life with the HP DreamColor Z27x Professional display, or redefine lifelike image presentation with HP's 4K⁴ and 5K⁵ ultra-high definition Z Displays.

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

1. Thunderbolt™ 2 is available via an optional add-in card. 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. Enabling Intel® Turbo Boost Technology (Intel® TBT) requires a PC with a processor with Intel TBT capability. Intel TBT performance varies depending on hardware, software, and overall system configuration. For more information, see intel.com/technology/turboboost.
3. Limited three-year Mon-Fri 8-5 next business day, parts, labor and 24x7 phone support, terms and conditions may 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 by product is available at hp.com/go/cpc. Service levels and response times for HP Care Packs may 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. Technical support is available seven days a week, 24 hours a day, by phone, as well as online support forums. Certain restrictions and exclusions apply.
4. 4K content required.
5. 5K content required. The video card of the connected PC must be capable of supporting 5120 x 2880 at 60 Hz to drive the monitor at the Preferred Mode.

©2015 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel and Thunderbolt are trademarks of Intel Corporation in the U.S. and other countries. Avid, the Avid logo, Media Composer, NewsCutter, and Pro Tools are trademarks or registered trademarks of Avid Technology, Inc. or its subsidiaries in the United States and/or other countries. NVIDIA, Quadro, and CUDA are trademarks and/or registered trademarks of NVIDIA Corporation in the United States and other countries. All other trademarks are the property of their respective owners.

4AA5-7502ENW, March 2015

