



ARE YOU READY?

Get VR Ready with the world's most comprehensive virtual reality portfolio from HP.¹ From the world's highest resolution head-mounted display² to a free-roam experience solution that doubles as a compact desktop, HP delivers tomorrow's technology today.





WORK FROM HOME. TOGETHER.

COLLABORATE

Work together anywhere, from team meetings to project reviews.

- Compatible with Windows Mixed Reality & SteamVR
- Host team meetings, project reviews, and working sessions virtually.

CREATE

Seamlessly switch between virtual and real world content creation.

- Plan, prototype, simulate and review remotely in true-to-scale environments.
- Focus on the work with comfortable, natural immersion.

CONNECT

Enjoy social VR experiences and take a break from the real world.

- VR takes immersive gaming to another level.
- Now you can be an active first-party participant, whether in a game or in a virtual meet-up.

LEARN

Learn without leaving the living room.

- Visualize concepts, explore new perspectives, take field trips, and do experiments.
- Hands-on personalized learning with customizable curriculums and educational partner platforms.

TRENDS:

CHANGE HAPPENS

Customer needs are evolving as business, culture, and technology evolves. HP focuses on the power of design, freedom of security, and meaningful collaboration to help businesses adapt to changes - and opportunity. HP frames changes in the way people work in terms of workforce, workplace,

and workstyles. HP delivers holistic customer experiences; evaluating how all hardware, firmware, OS, and applications work together for the benefit of the user. This thinking guides HP's innovation agenda and helps customers build their own Office of the Future with design, security, and collaboration.

BUSINESS MATTERS:

SECURITY & MANAGEABILITY

A PC decision is a security decision. HP's VR Ready portfolio features Z by HP product lines, with security anchored in the hardware and spanning the OS, applications, and even web browsers - all to protect your devices, data, and identity from ever-evolving security

threats. And, with HP Device as a Service (DaaS), you can improve device reliability and performance, increase user productivity, and reduce the workload for IT when HP puts its unified endpoint management expertise and actionable analytics to work for you.



EVERY COMPANY HAS A REASON TO USE VR

HP takes a focused approach to lead VR-for-enterprise, driving adoption in healthcare, education, product development, architecture/engineering/construction (AEC), training, and location-based entertainment (LBE). Across these core industries, VR provides tangible ROI, from cost-savings to improved customer engagement.

Healthcare

VR enables healthcare providers to deliver consistent, updated personnel training, and improved patient experiences. Healthcare applications of VR include medical training, athletic rehabilitation, pain management, and mental health treatment. We work closely with industry-leading software pioneers, to make sure what we offer is best-in-class.

LBE

LBE is the VR experience with which consumers are most familiar. LBE VR leaves little to the imagination, enabling participants to be a part of realistic experiences like riding a rollercoaster or touring Rocky Mountain National Park. Filmmakers are also experimenting with VR, from creating supplemental VR experiences for feature films like *How to Train Your Dragon*, to producing entire cinematic works in VR. The latter is becoming common on the film festival circuit: at the 2018 TriBeCa Film Festival, both *HERO* and *The Jack Project* are VR projects powered by the HP VR Backpack.

AEC & Product Development

The world of AEC & product development will be forever changed thanks to VR's ability to significantly shorten design & development cycles. A design team can create plans and prototypes in

VR, adjust based on team feedback and simulations - all before producing a physical product. Automotive manufacturers have been quick to see the advantages of the technology, using 3D sketching tools to build car models in a VR environment or integrating VR into showrooms to offer potential car buyers a more seamless way to explore their options. Architects find VR design reviews a compelling medium for customer experiences - with true-to-scale environments, you can truly get a realistic sense of the design.

Training

VR has become an incredible training tool across many different industries. Participatory learning has been proven more effective than passive methods - such as reading for comprehension - across skill sets. Training soldiers or first responders can be dangerous and cost-prohibitive; high-risk virtual training scenarios save time, money, and lives. Industrial manufacturing employees can be holistically trained in immersive environments rather than on the shop floor. VR developers can create and interact with complex simulations while maintaining total VR immersion in any situation.

Education

Multiple studies suggest retention rates skyrocket when students participate in immersive learning. VR offers hands-on, experiential learning while providing schools and universities cost-friendly alternatives to building and maintaining expensive facilities, such as science labs. With the ability to go inside, students gain deeper, more meaningful perspectives into historical events, cultural movements, and scientific principles.



EXPERIENCE TRUE IMMERSION WITH HP'S NO-COMPROMISE HEADSET



HP REVERB VR HEADSET G2 PROFESSIONAL EDITION

Developed in collaboration with Valve and Microsoft, our breakthrough VR headset delivers a more immersive, comfortable, and compatible experience.

Equipped with industry-leading lenses and speakers designed by Valve, our HMD provides the highest quality resolution² and fully immersive spatial audio.

Now, track more movement over the previous generation with four cameras built into the headset, for an infinite tracking area. And with a more ergonomic design, our controllers are more comfortable to hold onto.

At 9.3 million pixels, get 2.5x more pixels than Oculus Rift S.³ Interpupillary distance (IPD) adjustment allows you to adapt the width of the lenses for different eye distances, so you get a perfect fit.

Increased cushion size allows for even weight distribution. Flex material and magnetic detachability provide a custom fit, no matter your face shape or size.

2160 x 2160 LCD panel resolution per eye

114-degree field of view

90Hz refresh rate*

2-in-1 cables for VR setup options

Support for SteamVR & Windows Mixed Reality ecosystems



*To enable full 90Hz performance, a DisplayPort™ 1.3 or later connection is required with the graphics solution provided by the PC.

DISCOVER THE FREEDOM OF HP'S VR READY MOBILE LINE-UP



HP ZBOOK STUDIO G7

The ultimate benchmark for technical pros. Keep your best talent creating on the latest tech with the new benchmark for mobile workstations.

Seamlessly render, design, and multi-task on your biggest projects with NVIDIA® Quadro® RTX™ Graphics.

Better for the planet – it's the world's first mobile workstation with ocean bound plastics.⁴

Stay protected with the world's first self-healing BIOS. HP Sure Start automatically recovers the BIOS from attacks or corruption.⁵

Windows 10 Pro 64¹⁰
Intel® Core™ i9¹¹
NVIDIA® Quadro® RTX™ 4000
32 GB DDR4 Memory
512 GB PCIe® M.2 SED SSD Storage¹²



HP ZBOOK CREATE G7

The new standard for the serious creator. The first Z device with NVIDIA GeForce RTX graphics is ready for design and render to test and play.

Create and game at max performance with breakthrough vapor chamber cooler and liquid-crystal polymer thermals.

HP's smallest 15" laptop for creating and gaming – one laptop for work and play.

Work anywhere without compromising on performance or security, whether you're rendering or trying out the latest title.

Windows 10 Pro 64¹⁰
Intel® Core™ i9¹¹
NVIDIA® GeForce RTX™ 2080 Super™
32 GB DDR4 Memory
512 GB PCIe® SSD M.2 SED Storage¹²



HP ZBOOK 17 G6

Get the performance of a desktop with the freedom of a laptop with the world's most secure mobile workstation.⁶

HP's most expandable laptop, no tools required. With up to 50 million different configurations, customize to meet any demand.

Do more at once with the next-gen 6-core Intel® processors.

With 20% better thermals gen over gen, redesigned cooling fans dissipate performance sapping heat.

Windows 10 Pro 64¹⁰
Intel® Core™ i7/i9 or Xeon®¹¹
NVIDIA® Quadro® RTX 4000/5000
16 GB DDR4 Memory
512 GB PCIe® SSD Storage¹²



HP VR BACKPACK

Meet the world's most powerful wearable PC – optimized for free-roam experiences⁷ that doubles as a compact desktop workstation.

Fly through VR workloads with 28%⁸ better performance for super smooth frame rates and ultra-fast render times.

The perfect pair, the HP VR Backpack drives the HP Reverb Pro at its full resolution.

With improved ergonomics, battery management, and ease of movement, it's the most natural, comfortable free-roam VR experience yet.

Windows 10 Pro 64¹⁰
Intel® Core™ i7¹¹
NVIDIA® GeForce® RTX 2080
32 GB DDR4 Memory
512 GB PCIe® SSD M.2 Storage¹²



SECURITY COMES STANDARD ON Z BY HP VR READY DESKTOP WORKSTATIONS



HP Z1 G6 ENTRY TOWER

World-class performance is within reach with a desktop certified for pro software. For 2D/3D design as well as entry VR content creation - upgrade to a Z.

Create truly immersive experiences with a desktop optimized for leading VR engines, like Unity and Unreal Engine.



HP Z2 TOWER G4

Experience server-grade power in a desktop with impressive expandability featuring the latest Intel® Core™ or Xeon® processors in our redesigned proprietary motherboard.

Windows 10 Pro¹⁰ with advanced security, collaboration and connectivity helps you power through your day.



HP Z4 G4

Our most popular Z desktop workhorse accelerates a wide range of pro apps and gives you more standard features and space to expand than any other single-processor Z desktop.

Move between single-threaded tasks like 3D CAD to multi-threaded tasks like rendering and simulation seamlessly.



HP Z6 G4

A future-proof powerhouse that scales up easily over time, thanks to full expansion capabilities - from single or dual processors and multiple graphics cards to massive storage options.

Get breakthrough performance for photo-realistic design, modeling and content creation done in real-time.



HP OMEN 30L DESKTOP

Play your favorite games your way with a powerful, elevated desktop featuring tempered glass panels, a full-metal frame, and complete RGB control.

Utilize the Omen Command Center to fine tune your lighting, get a network boost, check system vitals, and more.

Windows 10 Pro 64⁹
Intel® Core™ i9¹⁰
NVIDIA® GeForce RTX™ 2080 Super
16 GB DDR4 Memory
512 GB PCIe® SSD M.2¹¹

Windows 10 Pro 64⁹
Intel® Core™ i7¹⁰
AMD Radeon™ Pro WX 7100
16 GB DDR4 Memory
HP Z Turbo Drive M.2 512 GB¹¹

Windows 10 Pro 64⁹
Intel® Core™ i9¹⁰
NVIDIA® Quadro® RTX 5000
32 GB DDR4 Memory
HP Z Turbo Drive M.2 512 GB¹¹

Windows 10 Pro 64⁹
Intel® Xeon®¹⁰
NVIDIA® Quadro® RTX 5000
64 GB DDR4 Memory
HP Z Turbo Drive M.2 512 GB¹¹

Windows 10 Pro 64⁹
Intel® Core™ i9¹⁰
NVIDIA® GeForce RTX™ 2080 Super
HyperX 16GB DDR4 RGB Memory¹²
256 GB PCIe® NVMe™ M.2 SSD¹³



EVOLVE YOUR WORKFLOW

In 2017, HP entered the VR landscape as a major player with the revolutionary HP Z VR Backpack PC G1 and continue to lead the way in 2020 with no-compromise HP Reverb VR Headset – Pro Edition G2 developed in collaboration with Valve and Microsoft. Today, we're on a trajectory to become not only a leader in hardware, but in VR solutions. HP is driving end-to-end VR adoption in enterprise – from content creation to consumption.

To address the need for VR content development & deployment, we recently rolled out our **HP VR ISV Program**, a collaborative initiative that pairs industry-leading VR solutions with HP's powerful VR Ready portfolio. HP is building a VR shop with a **global infrastructure** that offers customers peace of mind with reliable, replicable solutions.



DISCLAIMERS

1. Based on non-gaming VR ready PCs and accessories as of April 2019.
2. Based on HP's internal analysis of companies that have shipped greater than 50,000 VR tethered headsets. Resolution based on panel pixel count as of May 2020.
3. Based on HP's internal analysis of total pixels as of April 2020.
4. Based on HP internal analysis of ISV certified mobile workstations as of April 8, 2020. Speaker enclosure component made with 5% ocean bound plastic.
5. HP Sure Start Gen5 is available on select HP PCs with Intel processors. See product specifications for availability.
6. Based on HP's unique and comprehensive security capabilities at no additional cost among desktop workstation vendors as of September 2017 on HP mobile workstations with 7th Gen and higher Intel processors.
7. Based on wearable VR PCs as of March 26, 2019 and power based on processor, graphics and memory.
8. Based on 3DMark 11 internal testing comparing to the HP Z VR Backpack G1.
9. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>
10. Your product does not support Windows 8 or Windows 7. In accordance with Microsoft's support policy, HP does not support Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://support.hp.com>
11. For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) and 36GB (For Windows 8.1/10) or system disk is reserved for the system recovery software.
12. HyperX is a registered trademark of Kingston Technology Corporation. Actual product may vary from image shown on datasheet.
13. Actual formatted capacity is less. Portion of internal storage is reserved for pre-loaded content and system recovery software. For storage drives, TB = 1 trillion bytes.

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80+

The number of years that HP has led the way in innovation & engineering, from an audio oscillator to the world's most powerful wearable PC¹³



PRODUCT SPECIFICATIONS SHOWN ARE A STARTING POINT FOR CONFIGURING YOUR VR READY MACHINE. RECOMMENDATIONS MAY VARY GREATLY DEPENDING ON YOUR SPECIFIC USE CASE.

LEARN MORE AT HP.COM/GO/VR OR WORK WITH A LOCAL HP SALES REP.

LEARN MORE



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