OMEN by HP 45L Gaming Desktop GT22-0094

Patented cooling, extreme performance.

Define the cutting edge with the OMEN 45L Desktop PC. Built with an Intel® processor, dazzling graphics, and extreme cooling with the patented liquid-cooled OMEN CRYO CHAMBER™ cooling system. Bring the fire and the ice.

Product overview

- Behold, the chillest machine in gaming. The OMEN 45L takes cooling way up, with the OMEN CRYO CHAMBER™. This patented system uses the ambient air to create extreme cooling inside the system. The OMEN CRYO CHAMBER™ is also end user upgradable because ice is the new fire.
- Beauty, meet Beast. Tempered glass panels, a full-metal frame with toolless entry, and complete RGB control. Its one nifty spaceship.
- Adaptation, battle station. Built for extreme performance, and easy toolless upgradability. The OMEN 45L is a one stop, can’t stop, shop for SW performance mastery. Dream, adapt, overcome.
- Optimize and customize: Step aboard the one-stop shop spec shop command center that is OMEN Gaming Hub. Tweak every last detail from intelligent overclocking, to SW-based fan control, BIOS access, RAM frequency and RGB.

Key specifications

- Operating system: Windows 11 Home
- Processor: 12th Generation Intel® Core™ i9-12900K processor
- Memory: HyperX® 32 GB DDR4-3733 MHz XMP Heatsink RAM
- Internal Storage: 1 TB PCIe® NVMe™ M.2 Solid State Drive
- Graphics: NVIDIA® GeForce RTX™ 3080 Ti graphics card with 12 GB GDDR6X dedicated memory
- USB ports: Front I/O: 2 SuperSpeed USB Type-A 5Gbps signaling rate, 2 USB 2.0 Type-A; Rear: 1 SuperSpeed USB Type-A 10Gbps signaling rate, 2 USB 2.0 Type-A, 1 SuperSpeed USB Type-C® 5Gbps signaling rate, 1 SuperSpeed USB Type-C® 10Gbps signaling rate
- Wireless: Wi-Fi 6 (2x2) and Bluetooth® Combo (Supporting Gigabit file transfer speeds, MU-MIMO supported)
- Warranty: 1-year limited hardware warranty

Product features

- Get a fresh perspective with Windows 11: From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and culture—Windows 11 is the place to think, express, and create in a natural way.
- 12th Gen Intel® Core™ processor: A dynamic processor that adapts to you for superior multi-tasking performance and distributes performance where you need it the most — saving you time and increasing your ability to do the things you actually want.
- NVIDIA® GeForce RTX™ 3080 Ti graphics: The GeForce RTX™ 3080 Ti delivers the ultra performance that gamers crave, powered by Ampere—NVIDIA’s 2nd gen RTX architecture.
- PCIe® NVMe™ SSD storage: Get up to 10x faster performance than a traditional hard drive.
- DTS: Ultra Technology: By producing authentic, spatially accurate 3D sound through any headset, this technology offers a specially tuned audio modes for different game types to provide immersion for the best entertainment experience possible.
- SuperSpeed USB Type-C® 5Gbps signaling data rate: Plug in your external storage with this SuperSpeed USB Type-C® port, featuring 5Gbps signaling data rate. And it’s reversible, so you never have to worry about plugging in upside down.
- SuperSpeed USB Type-C® 10Gbps signaling data rate: Plug in your external storage with this SuperSpeed USB Type-C® port, featuring 10Gbps signaling data rate. And it’s reversible, so you never have to worry about plugging in upside down.

Additional product features

- SuperSpeed USB Type-A 5Gbps signaling data rate: Plug in your external storage with this SuperSpeed USB Type-A port, featuring 5Gbps signaling data rate.
- SuperSpeed USB Type-A 10Gbps signaling data rate: Plug in your external storage with this SuperSpeed USB Type-A port, featuring 10Gbps signaling data rate.
- HyperX® D904 memory: With its high performance, everything from multi-tasking to playing games gets a boost.
- Dual channel memory: Two channels work simultaneously to double the communication speed between the memory controller and the RAM increasing system performance.
- Effortlessly connected: Enjoy a smooth wireless experience with a Wi-Fi 6 (2x2) and Bluetooth® combo.
- OMEN CRYO CHAMBER™: Experience revolutionary cooling from the patented OMEN CRYO CHAMBER™ cooling system that enables the liquid cooler radiator to channel fresh, cold air from the surrounding environment to cool down the GPU.
- OMEN Light Studio: Control RGB lighting effects for all your connected and supported devices through one app. OMEN Light Studio makes it easy to personalize lighting options using a variety of effects like ambient, wave, interactive and more.

Designed with the planet in mind

HP is dedicated to driving progress toward a more sustainable future and making responsible choices for the environment and our customers. We are innovating new ways to reduce the amount of materials in our products and packaging—and to use more recycled materials in their design. Together we can make a difference.

- Built with the environment in mind, the OMEN by HP 40L Gaming Desktop is designed using sustainable materials like:
  - Includes water-based paint
  - HP’s outer cases and fiber cushions used in packaging are 100% sustainably sourced and recyclable.
- ENERGY STAR® certified
- EPEAT® Gold registered

Warranty and support

Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

Included with your product:

- HP’s Hardware Limited Warranty: Full warranty details are included with your product.
- Technical Support for Software & initial set-up: Warranty details are included with your product.

Support Options:

- HP Support Assistant - HPSA: Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.
- Social Media Support: To find solutions, ask questions, and share tips, join us on the HP Support Community at community.hp.com, on Twitter at twitter.com/HPSupport, and Facebook at facebook.com/HPSupport.
OMEN by HP 45L Gaming Desktop GT22-0094

Specifications

- Operating system: Windows 11 Home
- Processor: 12th Generation Intel® Core™ i9-12900K processor
- Processor speed: 3.20 GHz
- Cache: 30 MB Cache
- Memory: HyperX® 32 GB DDR4-3733 MHz XMP Heatsink RAM (expandable to 128 GB unbuffered with 32 GB DIMMs)
- Internal storage: 1 TB PCIe® NVMe™ M.2 Solid State Drive
- Finish: Tempered glass front bezel and side panel with EMA protection
- Video graphics: NVIDIA® GeForce RTX™ 3080 Ti graphics card with 12 GB GDDR6X dedicated memory.
- Network interface: 10/100/1000 Base-T Network
- Wireless connectivity: Wi-Fi 6 (Ez2) and Bluetooth® Combo (Supporting Gigabit file transfer speeds, MU-MIMO supported)
- Sound: 5.1 surround sound
- Memory slots: 4 DIMM (288-pin) (two available)
- Expansion slots: 1 PCIe® Gen 4 x16 (occupied), 1 PCIe® Gen 3 x4 (available), 3 M.2 (one available)
- Expansion bays: HDD: 2 internal 3.5" (two available), SSD: 2 internal 2.5" (two available)
- External ports: Headphone/Microphone Combo, Microphone Jack, Front I/O: 2 SuperSpeed USB Type-A 5Gbps signaling rate, 2 USB 2.0 Type-A. Rear: 1 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-A 10Gbps signaling rate, 2 USB 2.0 Type-A, 1 SuperSpeed USB Type-C 5Gbps signaling rate, 1 SuperSpeed USB Type-C 10Gbps signaling rate, 3 DisplayPort™ (29), 3 HDMI (29)
- Multi-display capable: DisplayPort and HDMI capabilities, NVIDIA® Surround™ multi-display technology, support for Microsoft® Directx® 12
- Mouse and keyboard: HP 310 black wired keyboard and mouse combo
- Power supply: 800 W 80 Plus Certified ATX power supply
- Dimensions: Unpacked: 80.33 in (W) x 18.30 in (D) x 21.85 in (H) (approx). Packaged: 23.31 in (L) x 12.91 in (W) x 24.46 in (H) (approx)
- Weight: Unpacked: 49.82 lb approx. (188.3 kg), Packaged: 55.56 lb approx. (252.5 kg)

Software

- HP help and support: HP BIOS Protection: Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself.
- myHP: myHP provides a simple setup and registration experience that welcomes you to your new HP PC. Customize, optimize, and secure your device with tips and tricks and easy-to-access settings, and receive helpful messages and information to keep things running smoothly.
- HP Support Assistant: Help with your HP PC and printers whenever you need it.

Books, music, photos and videos

- DTS: X™ Ultra Technology: Authentic, spatially accurate 3D sound to provide the best entertainment experience.

Productivity and tools

- OMEN Gaming Hub: Your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OMEN Gaming Hub elevates play in an easy and simple way.
- HP QuickDrop: Wirelessly transfer photos, videos, documents and more between your PC and mobile device. Easily snap a photo to share, send addresses for directions on-the-go, and view texts on your PC’s screen. With HP QuickDrop, file transfers are easy, fast, and reliable.
- OMEN Light Studio: Personalize lighting options using a variety of effects like ambient, wave, interactive and more through one app.
- OMEN CRYO CHAMBER™: Experience revolutionary cooling from the patented OMEN CRYO CHAMBER™ cooling system that enables the liquid cooler radiator to channel fresh, cold air from the surrounding environment to cool down the CPU.
- Dropbox cloud storage: Store and synchronize your content online with Dropbox. Get 100GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access.
- HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points.

Security and protection

- McAfee LiveSafe™: Protect your operating system with a free 30-day McAfee LiveSafe™ trial.

Additional information

- Product number: 3282444444
- Ad embargo date: 01/4/2022
- UPC code: 196188330463
- Country of origin: Mexico
- Pallet information: Dimensions: 47.24 in (L) x 39.37 in (W) x 84.69 in (H) (approx). Total weight: 1032.96 lb approx.
- Layers: 3
- Products per layer: 6
- Total products per pallet: 18

Learn more at hp.com

111 Not all features are available in all editions or versions of Windows. Systems may require updated or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High-speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com. 112 Multi-core is designed to improve performance of certain software applications. Not all customers or applications will benefit from use of this technology. Performance and stock frequency will vary depending on application workload and your hardware and software configurations. Intel’s numbering, branding and/or naming is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. 113 GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. 114 Wi-Fi 5 or 6 is designed to support Gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 802.11ax. Internet access required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior Wi-Fi specs. 115 HyperX and the HyperX logo are registered trademarks or trademarks of HP Development Company, L.P. in the U.S. and/or other countries. 116 Energy Star and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. 117 EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information. 118 Exceeds U.S. Environmental Protection Agency’s Computers Environmental Protection Guidelines. 119 Energystar certified. Energy Star and the Energy Star logo are trademarks owned by the U.S. Environmental Protection Agency. 120 100% outer box cosmetic cushion packaging made from sustainably sourced certified recycled fiber, Fiber coverings made from 100% recycled wood fiber and organic material. Includes plastic bags and plastic foam sheeting. 121 Percentage of water-based print by volume. 122 Weight and system dimensions may fluctuate due to configuration and manufacturing variations. 123 HyperX and the HyperX logo are registered trademarks or trademarks of HP Development Company, L.P. in the U.S. and/or other countries. 124 Actual speeds may vary. For more information visit http://www.hp.com/go/hpnosupport. 125 Internet service required and not included. 126 2-megapixel HD webcam with dual microphone. 127 Internal access required and not included. 128 80MHz and higher channels. Internet access required and not included. 129 McAfee, LiveSafe and the McAfee logo are trademarks or registered trademarks of McAfee, Inc. in the United States and other countries. 130 Internet service required and not included. 131 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 shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.