

# HyperX OMEN MAX 45L Gaming Desktop GT24-0400na PC

Unmatched Cooling. Untouchable Performance.

The OMEN MAX 45L is the best gaming desktop for gamers looking for maximum FPS. With the latest graphics cards and Intel® Core™ Ultra Processors<sup>1</sup>, a new Extreme Mode for manual CPU overclocking, and a patented cooling system, Cryo Chamber™, built to keep your CPU ice cold, the MAX 45L is an absolute force of nature.



\*Product image may differ from actual product



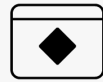
### Market-Best Performance.

Easily achieve MAX performance with Intel® Core™ Ultra CPUs and the latest graphics cards.



### One-of-a-Kind Cooling.

Thanks to MAX 45L's patented Cryo Chamber™<sup>2</sup>, our CPUs are up to 7.5% cooler than leading competitors.



### Welcome to MAX.

Manually overclock your CPU and GPU with Extreme Mode and Advanced Performance Tuning for MAX FPS.

## Sustainability in action

### Designed to Evolve.

Built entirely from industry standard components, which means upgrading your rig has never been easier.



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## Featuring

### Get a fresh perspective

From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way.<sup>3</sup>

### Game Changer

Powered by NVIDIA Blackwell, GeForce RTX™ 50 Series GPUs bring game-changing AI capabilities to gamers and creators. Multiply performance with NVIDIA DLSS 4, generate images at unprecedented speed, and unleash your creativity with NVIDIA Studio.<sup>4</sup>

### USB Type-A 5Gbps signaling data rate

Plug in your external storage with this USB Type-A port, featuring 5Gbps signaling data rate.<sup>5</sup>

### Ethernet port

When you have a spotty wireless connection, you can quickly plug in your Ethernet cable to get a smooth, wired Internet experience that bypasses any wireless issue.

### Realtek Wi-Fi 7 and Bluetooth® 6.0 wireless card

Take a leap in wireless performance with new levels of increased speed and reduced latency with Wi-Fi 7. Paired with Bluetooth® 6.0.<sup>6</sup>

### OMEN Gaming Hub

OMEN Gaming Hub is 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 easy and simple way.

### Xbox Game Pass Premium 2-month trial

Enjoy 2 months of Xbox Game Pass Premium. Free with your new HP device. Access a library of legendary, high-quality games, get exclusive in-game perks, partner discounts, and earn points annually with Xbox Rewards.<sup>7</sup>

## Recommended accessories and services (not included)



HyperX Pulsefire Haste 2 Pro - 4K Wireless Gaming Mouse  
A1KY5AA



HyperX Cloud Alpha 2 - Wireless Gaming Headset  
AJ5C7AA



HyperX Origins 2 65 Pro  
BN7S3AA



3-year pickup and return  
UC994E

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## Specifications



## Performance

**Operating system**  
Windows 11 Home

**Processor**  
Intel® Core™ Ultra 7 270K Plus (up to 5.4 GHz with Intel® Turbo Boost Technology, 36 MB L3 cache, 24 cores, 24 threads)<sup>6,7</sup>

Processor family: Intel® Core™ Ultra 7 processor  
Neural Processing Unit (NPU): Intel® AI Boost (13 NPU TOPS)

**Chipset**  
Intel® Z890

**Memory**  
Kingston FURY 32 GB DDR5-6000 MT/s XMP RGB Heatsink (2 x 16 GB)  
Transfer rates up to 6000 MT/s.  
Memory slots: 4 DIMM  
Maximum memory: Supports up to 128 GB max system memory

**Storage**  
2 TB PCIe® Gen4 NVMe™ M.2 SSD  
100 GB Dropbox storage for 3 months<sup>1</sup>

**Graphics**  
Discrete: NVIDIA® GeForce RTX™ 5080 (16 GB GDDR7 dedicated);

**Audio**  
Omen Audio Control Support DTS:X Ultra; 5.1 Channel audio support

**Power**  
1000 W 80 Plus Gold certified ATX 3.1 fully modular power supply;

**System coolers**  
360 mm LCD liquid cooler;

## Connectivity

**Network interface**  
Realtek RTL8125BGH-CG 10/100/1000/2500 GbE NIC

**Wireless connectivity**  
Realtek Wi-Fi 7 (2x2) and Bluetooth® 6.0 wireless card <sup>12,46</sup>

**Ports**  
Top:  
2 USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 1 headphone/microphone combo; 2 USB 2.0 Type-A (HP Sleep and Charge)<sup>19</sup>

Rear:  
1 USB Type-C® 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate (charging); 4 USB 2.0 Type-A; 1 microphone; 1 RJ-45; 1 microphone-in; 1 line in; 1 line out; 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (DisplayPort™ 2.1)

**Video connectors**  
1 HDMI 2.1b; 3 DisplayPort™ 2.1b

**Expansion slots**  
3 M.2 (2 for SSD, 1 for WLAN); 1 PCIe Gen4 x4; 1 PCIe Gen5 x4

## Sustainability

**Ecolabels**  
EPEAT Silver with Climate+<sup>27</sup>

**Energy star certified**  
ENERGY STAR® certified

**Sustainable impact specifications**  
Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Water based paint; 10% recycled metal; LDPE bag contains 30% recycled plastic<sup>40,41</sup>

## Design

**Product color**  
Shadow black  
Textured finish

## Software

**HP apps**  
HP Connection Optimizer; OMEN Gaming Hub

**Software**  
Otter.ai;  
1 month trial for new Microsoft 365 customers<sup>24,49,50</sup>

**Service & support**  
McAfee Online Protection 30-day trial; Xbox Game Pass Premium 2-month trial <sup>2</sup>

## Additional information

**Part Number**  
P/N: DA3X0EA #ABU  
UPC/EAN code: 821844765302

**Weight**  
22.6 kg;  
Packed: 25.2 kg

**Dimensions**  
20.4 x 47 x 55.5 cm;  
Packed: 59.2 x 32.8 x 67.2 cm

**Manufacturer Warranty**  
1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

**Features**  
Liquid cooling solution for processor

**Security management**  
Kensington Security lock slot; Padlock



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## Footnotes

### Messaging Footnotes

<sup>1</sup> Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock 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® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, software and other factors.

<sup>2</sup> Patented in 2022. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. Based on HP Internal Thermal Testing by Prim95 + 3DMARK (CPU + GPU full load) at 25 degree Celsius ambient to compare CPU temperature between the 2024 OMEN 35L (86.5 degree Celsius) and 2025 OMEN MAX 45L (79 degree Celsius) pre-built testing sample. 2024 OMEN 35L configuration with AMD Ryzen™ 9 9950X3D with 240mm LCS, NVIDIA GeForce RTX 5080, DDR5 6000 64GB, 2TB SSD x2, 1200W PSU. 2025 OMEN MAX 45L with AMD Ryzen™ 9 9950X3D with 240mm LCS, NVIDIA GeForce RTX 5080, DDR5 6000 64GB, 2TB SSD x2, 1200W PSU.

<sup>3</sup> 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 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>.

<sup>4</sup> ©2025 NVIDIA Corporation. NVIDIA, the NVIDIA logo, GeForce, and GeForce RTX are registered trademarks and/or trademarks of NVIDIA Corporation in the United States and other countries. All other trademarks and copyrights are the property of their respective owners.

<sup>5</sup> Actual throughput may vary.

<sup>6</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 is backwards compatible with prior Wi-Fi 6E specs. Bluetooth® is a trademark owned by Bluetooth SIG inc. and used by HP Inc. under license.

<sup>7</sup> Subscription continues automatically at regular monthly price unless cancelled. Subject to <https://www.xbox.com/legal/subscription-terms>. Benefits vary by Xbox Game Pass plan. Game library varies over time, by region, device, and Xbox Game Pass plan. [xbox.com/gamepass](https://www.xbox.com/gamepass). In-game benefits vary by game, region, and over time. Game must be installed to access in-game benefits. For a list of cloud and non-cloud markets and supported regions, visit: [xbox.com/regions](https://www.xbox.com/regions). Terms apply, see [xbox.com/gamepass](https://www.xbox.com/gamepass) for more. Excludes HP Chromebooks.

### Technical Specifications Footnotes

<sup>1</sup> 100 GB of free Dropbox storage for 3 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at <https://www.dropbox.com/help/space/hp-promotion>. Internet service required and not included.

<sup>2</sup> Internet access required and not included. McAfee is pre-installed on your PC and an account is required for activation. Subscription renewal required after trial period. VPN feature is not available in India, China, Syria or North Korea. McAfee is not compatible with Windows 11 in S mode. You'll need to permanently switch out of S mode. There's no charge to switch out of S mode, but you won't be able to turn it back on.

<sup>6</sup> Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock 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.

<sup>7</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

<sup>12</sup> Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 2024, select Intel® Core™ or Intel® Core™ Ultra processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.

<sup>19</sup> NOTE: Please make sure the USB Charging mode is enabled in the BIOS settings to activate the "HP Sleep and Charge" feature.

<sup>24</sup> Must activate within 180 days of Windows activation.

<sup>25</sup> Offer available worldwide (excluding China and embargoed countries or other countries identified as restricted by applicable law or regulation) to new and existing subscribers who are 18+. Click on the Adobe icon in the start menu to redeem a 1-month free trial membership for select Adobe software. The software is tied to the device and is not transferrable. If you would like to sign up for an auto-renewing subscription, you can provide your payment method at sign-up. By adding a payment method, your subscription will automatically renew at the then current rate on your renewal date until you cancel. If you cancel before the end of the one-month free trial, you won't be charged. You can cancel your subscription anytime via your Adobe Account page or by contacting Customer Support. Please see current prices for Adobe products available in this offer. Offer not available to Education, OEM, or volume licensing customers. Subject to availability where the recipient resides. Additional terms and conditions may apply. VOID WHERE PROHIBITED OR RESTRICTED BY LAW.

<sup>27</sup> Based on U.S. EPEAT® registration according to IEEE 16801-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.

<sup>40</sup> Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.

<sup>41</sup> Percentage of water based paint varies by product.

<sup>46</sup> Bluetooth® 6.0 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 6.0 will function as Bluetooth® 5.4 or lower.

<sup>50</sup> Copilot in Excel requires AutoSave to be enabled, meaning the file must be saved to OneDrive; it doesn't function with unsaved files. Copilot features in Outlook apply to accounts with @outlook.com, @hotmail.com, @live.com, or @msn.com email addresses and are available in Outlook.com, Outlook built into Windows, Outlook on Mac, and iOS and Android apps. AI features only available to Microsoft 365 Family subscription owner and cannot be shared; usage limits apply. Learn more [Understanding AI credits - Microsoft Support](#). Microsoft Copilot features in Microsoft 365 are not available in China or Macao SAR.

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March 2026

