

OMEN 35L Gaming Desktop GT16-0120na PC

Your gaming performance awaits

The OMEN 35L VALORANT Desktop unlocks your performance potential. It features the latest Intel® Core™ Processor¹ and advanced graphics, with OMEN branded components optimized for prime thermal capabilities and power. Packed with a VALORANT-inspired design and easy tool-less upgradability and personalization to suit your gaming needs.



*Product image may differ from actual product



Don't just lock in, stand out!

Get ready to queue up with a VALORANT-inspired design with in-game details, custom fan, and an agent keychain to keep you company.



Optimized for performance

Play to your highest potential with a design that is optimized for performance.



Futureproof, tool-less design

Designed for upgradability with OMEN Components, expand and customize within an industry-standard form factor.

Sustainability in action

We're in this together

It matters. With 100% recyclable packaging solutions², at least 20% recycled plastic content and 10% recycled metal^{3,4}, we are in this together.



with



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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.⁶

Game without compromise. Go beyond performance with Intel Core and Intel Core Ultra Processors

Be everything you want to be, in-game and out with optimized performance and new features. Play harder and work smarter with Intel Core Processors.⁷

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.⁵

1TB PCIe® Gen4 NVMe™ M.2 SSD

With high-speed data transfer, the 1 TB PCIe Gen4 NVMe M.2 SSD offers lightning fast speed and efficient storage.⁸

DTS Headphone: X Technology

By producing authentic, spatially accurate 3D sound through any headphones or earbuds, this technology gives games, movies, and music a level of depth and immersion for the best entertainment experience possible.⁹

USB Type-C® 5Gbps signaling data rate

Plug in your external storage with this USB Type-C® port, featuring 5Gbps signaling data rate. And it's reversible, so you never have to worry about plugging in upside down.¹⁰

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.

Try PC Game Pass for free with your new HP device

Play hundreds of high-quality PC games with your new HP device and 3 free months of PC Game Pass - including EA play. With new games added all the time, there's always something new to play.¹¹

Dual channel memory

With dual channel technology, 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 6E (2x2) and Bluetooth® 5.3 combo.¹²

240 mm LCD liquid cooler

Refine your PC's cooling system with optimal heat dissipation and dynamic LCD lighting effects through OGH.

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.

Recommended accessories and services (not included)



3-year pickup and return
U4812E

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Specifications



Performance

Operating system

Windows 11 Home

Processor

Intel® Core™ i7-14700F (up to 5.4 GHz with Intel® Turbo Boost Technology, 33 MB L3 cache, 20 cores, 28 threads)^{6,7}

Processor family: Intel® Core™ i7 14th generation processor

Chipset

Intel® Z790H

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

1 TB PCIe® Gen4 NVMe™ M.2 SSD

100 GB Dropbox storage for 3 months¹

Graphics

Discrete: NVIDIA® GeForce RTX™ 5060 (8 GB GDDR7 dedicated);

Audio

5.1 surround sound; OMEN Audio Control DTS Headphone:X™ support

Power

850 W 80 Plus Gold certified ATX power supply;

System coolers

240 mm LCD liquid cooler (with Valorant customized theme);

Connectivity

Wireless connectivity

Realtek Wi-Fi 6E RTL8852CE (2x2) and Bluetooth® 5.3 wireless card¹²

Ports

Top:

1 headphone/microphone combo; 1 USB Type-C® 5Gbps signaling rate (HP Sleep and Charge); 2 USB 2.0 Type-A (HP Sleep and Charge)^{19,52}

Rear:

1 USB Type-C® 10Gbps signaling rate; 1 USB Type-C® 5Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 2 USB 2.0 Type-A; 1 3.5 mm audio jack; 1 RJ-45

Video connectors

3 DisplayPort™ 2.1a; 1 HDMI 2.1b

Expansion slots

1 PCIe x16; 1 PCIe x4; 3 M.2 (2 for SSD, 1 for WLAN)

Sustainability

Sustainable impact specifications

Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; 20% post-consumer recycled plastic; Water based paint; 10% recycled metal; LDPE bag contains 30% recycled plastic^{40,41}

Design

Product color

Black

Textured finish

Software

HP apps

HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub; HP Enhanced Lighting; myHP

Software

Otter.ai;

1 month trial for new Microsoft 365 customers^{24,49,50}

Service & support

McAfee Online Protection 30-day trial; 1-month Adobe free trial offer; PC Game Pass 3-month trial^{2,25}

Additional information

Part Number

P/N: C53CYEA #ABU

UPC/EAN code: 199485840949

Weight

14.5 kg;

Packed: 18.5 kg

Dimensions

21 x 40.8 x 41 cm;

Packed: 59 x 33.2 x 58.3 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.

Security management

Kensington Security lock slot



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Footnotes

Messaging Footnotes

- ¹ 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.
- ² Recycling facilities not available in all locations.
- ³ Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT standard for computers, IEEE 1680.1-2018 standard.
- ⁴ 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.
- ⁵ ©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.
- ⁶ 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>.
- ⁷ Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.
- ⁸ For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of system disk is reserved for system recovery software.
- ⁹ Listening to personal stereo equipment at full volume for long periods can damage the user's hearing. To reduce the risk of hearing damage, lower the volume and amount of time listening at full volume.
- ¹⁰ Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.
- ¹¹ PC Game Pass: Subscription continues automatically at regular monthly price unless cancelled. Subject to xbox.com/subscriptionterms. Terms and exclusions apply. Game catalog varies over time, by region, and by device. All rights reserved. xbox.com/pcgamepass, ea.com/ea-play/terms. Three month trial for devices purchased after October 2024. Microsoft account required. Offers available in select regions only. Credit card required. After promotional period, subscription automatically continues at the then-current regular price (subject to change), unless cancelled, plus applicable taxes. For cancellation details, see xbox.com/cancel. For complete details see terms and conditions <https://www.xbox.com/en-US/xbox-game-pass?msocid=3f8c879b624a6bb10ac4924e63d86a01>
- ¹² Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. Wi-Fi 6E 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 80MHz and higher channels. Wi-Fi 6 (802.11ax) is not supported in Belarus where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

Technical Specifications Footnotes

- ¹ 100 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.
- ² 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.
- ⁶ 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.
- ⁷ Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.
- ¹² Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.
- ¹⁹ For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.
- ²⁴ Must activate within 180 days of Windows activation.
- ²⁵ 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.
- ²⁷ Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
- ⁴⁰ 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.
- ⁴¹ Percentage of water based paint varies by product; Percentage of post-consumer recycled plastic varies by product. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
- ⁵⁰ 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. All features only available to Microsoft 365 Family subscription owner and cannot be shared; usage limits apply. Learn more [Learn more Understanding AI credits - Microsoft Support](#). Microsoft Copilot features in Microsoft 365 are not available in China or Macao SAR.

