OMEN 35L Gaming Desktop GT16-0517na PC

Take the key to your gaming performance

The OMEN 35L Gaming Desktop PC unlocks your performance potential. It features the latest Intel® Core™ Processor[1] and advanced graphics, with OMEN branded components optimized for peak thermal capabilities and power. Designed for easy tool-less upgradability and personalization to suit your gaming needs.



*Product image may differ from actual product

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.

Make it your own

Customize performance and aRGB options with OMEN Gaming Hub.

Sustainability in action

We're in this together

It matters. With 100% recyclable packaging solutions[2], at least 20% recycled plastic content and 10% recycled metal[34], we are in this together[5].

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]

Take on any game and tasks with performance built for anything powered by Intel® Core™ Ultra Processors.
Improved performance for both gaming and productivity with enhanced cooling, quieter operation, and faster speeds with Intel® Core™ Ultra Processors.[7]

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® 10Gbps signaling data rate
Plug in your external storage with this USB Type-C® port, featuring 10Gbps 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.

Kingston FURY DDR5 Memory
With up to 64GB of fast Kingston FURY DDR5 Heatsink RAM, everything from multitasking to playing games gets a performance boost.

Effortlessly connected
Enjoy a smoother wireless experience with a Wi-Fi 7 and Bluetooth® 5.4 combo.[11]

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

Up to 1000 W 80 Plus Gold certified ATX power supply
Up to 1000 W, 80 Plus Gold certified PSU, ensuring high energy effciency and ATX system compatibility

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.

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.[12]

Recommended accessories and services (not included)



3-year pickup and return
UC994E

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Specifications







Performance

Operating system
Windows 11 Home

Processor
Intel® Core™ Ultra 9 285K (up to 5.7 GHz with Intel® Turbo Boost Technology, 36 MB L3 cache, 24 cores, 24 threads)[6,7]
Processor family: Intel® Core™ Ultra 9 processor
Neural Processing Unit (NPU): Intel® AI Boost (13 NPU TOPS)

Chipset
Intel® Z890

Memory
Kingston FURY 64 GB DDR5-5600 MT/s XMP RGB Heatsink (4 x 16 GB)
Transfer rates up to 5600 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
2 TB PCIe® Gen4 NVMe™ Performance M.2 SSD
100 GB Dropbox storage for 3 months[1]

Graphics
Discrete: NVIDIA® GeForce RTX™ 5070 Ti (16 GB GDDR7 dedicated) ;

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

Power
1000 W 80 Plus Gold certified ATX power supply;

System coolers
240 mm LCD liquid cooler;

Connectivity

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

Wireless connectivity
Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card [12]

Ports
Top:
1 USB Type-C® 10Gbps signaling rate (HP Sleep and Charge); 2 USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 1 headphone/microphone combo[19,20,52]
Rear:
1 USB Type-C® 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 4 USB 2.0 Type-A; 1 microphone; 1 RJ-45; 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
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
Shadow 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: C2SS6EA #ABU
UPC/EAN code: 199485389158

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] 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.
[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] Recycling facilities not available in all locations.
[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] Wi-Fi 7: Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility 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.
[12] 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?msockid=3f8c879b624a6bb10ac4924e63d86a01

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.
Display monitors sold separately. For more information please visit www.hp.com/eur/home-monitors
[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]Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility with prior 802.11 specs. Available in countries where Wi-Fi 7 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.
[20] USB 20Gbps is not available.
[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. AI 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.

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