OMEN Gaming Laptop 17-db0031ny

Everything you need, nothing you don't

With the new OMEN 17, we didn't waste time loading it with features you'd never use. Instead, with an impressive 17" IPS display with 100% sRGB, new AI-enhanced AMD Ryzen™ 8000 CPUs[1] and NVIDIA® RTX™ 40 Series GPUs, as well as a 1-zone RGB numeric keyboard, it's everything you need for great gaming and nothing you don't.

*Produkto vaizdas gali skirtis nuo realaus produkto

Immersion-ready display

With an impressive 17" IPS display with VRR and 100% sRGB, this is all the screen you'll need.[2]

Next-gen AI performance

The future of gaming is here with new AI-enhanced AMD Ryzen™ 8000 Series CPUs[1] and NVIDIA® RTX™ 40 Series GPUs.

Built for gaming, ready for anything

With a 1-zone RGB numeric keyboard and FHD camera, the new OMEN 17 is ready for anything.[3]

Sustainability in action

We're in this together

Doing our part with recycled materials, and EPEAT® Gold with Climate+[4] and ENERGY STAR® certification.

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Ypatybės

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.[5]

AMD Ryzen™ 7 Processor
With 8 cores, 16 threads, and a 20 MB cache, this is a multi-threaded performance beast. The newly-designed, ultra-efficient architecture dominates even the most CPU intensive games, without issue.[1]

Beyond Fast
NVIDIA® GeForce RTX™ 40 Series GPUs are beyond fast. Powered by the NVIDIA Ada Lovelace architecture which delivers a leap in both performance and AI-powered graphics. Experience lifelike virtual worlds with ray tracing and ultra-high FPS gaming.[6]

AMD FreeSync™ technology
See and feel the difference of fluid, responsive gameplay. By synchronizing the refresh rate with your GPU, AMD FreeSync™ makes display stutter, input lag, and screen tears ancient history.[7]

Variable refresh rate
Get the best performance for your creative works, while not sacrificing battery life. VRR technology allows your PC to dynamically adjust its refresh rate based on the frame rate of the content you're viewing.

Eyesafe® Certified Display
Eyesafe® certified displays meet TÜV low blue light requirements and Eyesafe® standards for protecting your eyes from harmful blue light without distorting colors to reduce eyestrain when working for long periods of time.

7ms response time
How fast your display's pixels respond is crucial for a smooth picture. With a 7-millisecond response time, your action-filled content will look crisp and fluid without motion blur.[8]

Flicker-free
Using DC Dimming technology that controls brightness by adjusting direct current rather than cycling the backlight, we can eliminate screen flickering for more comfortable viewing.[9]

16:9 aspect ratio
A 16:9 aspect ratio lets you see all of your game.

100% sRGB
Showcase your creations in all their colors on the 100% sRGB display for maximum color broadness and accuracy.

Ocean-bound plastic
Built with the environment in mind, our laptop design includes sustainable materials like ocean-bound plastic in the speaker enclosure.[10]

Keyboard keycaps contain post-consumer recycled plastic
We're bringing a more sustainable design to our keyboards by using keycaps made with post-consumer recycled plastic.[11]

EPEAT® Gold
This product meets at least 75% of the existing optional criteria to achieve EPEAT Gold registration.[12]

ENERGY STAR®
This product meets the criteria that require computers to operate efficiently to get ENERGY STAR certification.[12]

HP Fast Charge
When your laptop is low on power, no one has time to wait hours to recharge. Power down your device and go from 0 to 50% charge in approximately 30 minutes.[13]

Effortlessly connected
Enjoy faster speeds, improved performance and greater capacity with Wi-Fi 6 and Bluetooth® 5.3 wireless card.[14]

HP True Vision FHD
Video chat in vibrant clarity with Full HD resolution, even in low light, and make every conversation a face-to-face experience for a better way to stay in touch.[15]

USB Type-A 5Gbps signaling data rate
Plug in your external storage with this USB Type-A port, featuring 5Gbps signaling data rate.[16]

McAfee® LiveSafe™
Protect your operating system with a free 30-day McAfee® LiveSafe™ subscription.[17]

HP Audio Boost
Take your audio experience to the next level with smart amplification technology giving you loud, clear and dynamic sound.

Dual speakers
Pump up the volume to your favorite music, movie or game with dual-stereo speakers.

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.

1-Zone RGB Keyboard with Numpad
Illuminate your entire keyboard and numpad with 1-zone RGB.

HP Imagepad with multi-touch gesture
This true multi-touch touchpad supports four finger gestures and lets you scroll, zoom, and navigate with a simple touch.

Rekomenduojamos paslaugos ir priedai (nepridedami)

„HyperX Pulsefire Haste 2" – belaidė žaidimų pelė (juoda)
6N0B0AA

Belaidės žaidimų ausinės „HyperX Cloud III"
77Z46AA

3-year return to depot
UM931E

„HyperX Alloy Rise" - žaidimų klaviatūros
7G7A3AA

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Specifikacijos

Našumas

Operacinė sistema
Windows 11 Home

Procesorius
AMD Ryzen™ 7 8845HS (up to 5.1 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads)[6,7]
Procesoriaus šeima: AMD Ryzen™ 7 processor

Lustų rinkinys
AMD integrated SoC

Atmintis
16 GB DDR5-5600 MHz RAM (2 x 8 GB)
Transfer rates up to 5600 MT/s.
Vartotojui prieinamų atminties lizdų skaičius: 2

Saugykla
1 TB PCIe® NVMe™ M.2 SSD
25 GB Dropbox storage for 12 months[1]

Grafika
Discrete: NVIDIA® GeForce RTX™ 4060 Laptop GPU (8 GB GDDR6 dedicated) ; NVIDIA® Studio; Advanced Optimus

Garsas
DTS:X® Ultra; HyperX; Dual speakers; HP Audio Boost

Ekranas
43.9 cm (17.3") diagonal, FHD (1920 x 1080), 48-144 Hz, 7 ms response time, IPS, anti-glare, Low Blue Light, micro-edge, 300 nits, 100% sRGB[17,21,28]

Ekrano ir korpuso kraštinių santykis
84.93%[18]

Galia
230 W AC power adapter;

Baterijos tipas
6-cell, 83 Wh Li-ion polymer[23]

Akumuliatorius ir maitinimas
Up to 7 hours[3];
Supports battery fast charge: approximately 50% in 30 minutes[5]

Maksimali baterijos veikimo trukmė žiūrint vaizdo medžiagą
Up to 10 hours[10]

Jungiamumas

Tinklo sąsaja
Integrated 10/100/1000 GbE LAN

Belaidis ryšys:
Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)[11,12,13,46]
Modern Standby (Connected); HP Extended Range Wireless LAN

Prievadai
2 USB Type-A 10Gbps signaling rate; 1 USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 1 AC smart pin; 1 HDMI-out 2.1; 1 headphone/microphone combo; 1 RJ-45; 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4a, HP Sleep and Charge)[19,42]

Internetinė kamera
HP True Vision 1080p FHD camera with temporal noise reduction and integrated dual array digital microphones

Tvarumas

Ekologinės etiketės
EPEAT® Gold registered[27]

„Energy star" sertifikuotas produktas
ENERGY STAR® certified

Sustainable impact specifications
Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard keycaps and scissors contain post-consumer recycled plastic[39,41]

Dizainas

Gaminio spalva
Shadow black, black chrome logo
Paint finish

Programinė įranga

HP programos
HP Support Assistant; HP Connection Optimizer; OMEN Gaming Hub; myHP

Programinė įranga
Copilot in Windows with Copilot key;
McAfee Online Protection 1-year subscription[2];
1 month trial for new Microsoft 365 customers[24]

Priežiūra ir techninė pagalba
1-month Adobe free trial offer [25]
McAfee Online Protection 1-year subscription[2]

Papildoma informacija

Gaminio numeris
Gaminio nr.: A6SZ9EA #B1R
UPC/ EAN kodas: 198415615466

Svoris
2.95 kg;
Supakuotas: 4.64 kg

Matmenys
39.75 x 27.79 x 2.75 cm (front); 39.75 x 27.79 x 3 cm (rear);
Supakuotas: 9.4 x 46.1 x 33.2 cm

Gamintojo garantija
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.

Klaviatūra
Full-size, 1-zone RGB backlit, shadow black keyboard with numeric keypad
HP Imagepad; Precision Touchpad support

Savybės
AMD FreeSync™ Premium[29]

Saugos valdymas
Camera privacy shutter; Trusted Platform Module (Firmware TPM) support

Jutikliai
IR thermal sensor

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Išnašos

Pranešimų puslapių išnašos

[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. AMD's numbering is not a measurement of clock speed.

[2] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[3] Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected.

[4] See www.epeat.net for registration status and tier levels by country.

[5] 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.

[6] ©2024 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.

[7] FreeSync™ is only available when it is connected on Display Port or HDMI port. FreeSync™ is an AMD technology enabled on FHD or QHD displays and is designed to eliminate stuttering and/or tearing in games and videos by locking a display's refresh rate to the frame rate of the graphics card. Monitor, AMD Radeon™ Graphics and/or AMD A-Series APU compliant with DisplayPort™ Adaptive-Sync required. AMD Catalyst™ 15.2 Beta (or newer) required. Adaptive refresh rates vary by display.

[8] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.

[9] The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

[10] Percentage of ocean-bound plastic contained in each component varies by product.

[11] Percentage of post-consumer recycled plastic contained in keycap varies by product.

[12] 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.

[13] Recharges your battery up to 50% within 30 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP products. See http://store.hp.com for a full list of product features.

[14] 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 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 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). Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower.

[15] Features may require software or other 3rd party applications to provide the described functionality.

[16] Actual throughput may vary.

[17] Internet service required and not included. Subscription required after 30 days.

Techninių specifikacijų puslapio išnašos

[1] 25 GB of free Dropbox storage for 12 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] Free 30 day subscription of McAfee LiveSafe service included. Internet access required and not included. Subscription required after expiration.

[3] MobileMark 25 Battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See https://bapco.com/products/mobilemark-25/ for additional details.

[5] Recharges your battery up to 50% within 30 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP products. See http://store.hp.com for a full list of product features.

[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. AMD's numbering is not a measurement of clock speed.

[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

[10] Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 150 nits brightness, system audio level at 17% as image default, player audio level at 100%, played full-screen from local storage, headphone attached or through speaker (if no audio jack port), wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.

[11] Wi-Fi 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 80MHz and higher channels.

[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.

[13] Wi-Fi 6 (802.11ax) is not supported in Belarus where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

[17] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[18] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

[19] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

[21] TUV Low Blue Light is the Display Compliance Test Specification quality. See https://www.certipedia.com/?locale=en#search for more details.

[23] Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

[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.

[28] Eyesafe® Display for Low Blue Light is the Display Compliance Test Specification quality. See https://eyesafe.com for more details.

[29] FreeSync™ is only available when it is connected on Display Port or HDMI port. FreeSync is an AMD technology is enabled on FHD or QHD displays and is designed to eliminate stuttering and/or tearing in games and videos by locking a display's refresh rate to the frame rate of the graphics card. Monitor, AMD Radeon™ Graphics and/or AMD A-Series APU compliant with DisplayPort™ Adaptive-Sync required. AMD Catalyst™ 15.2 Beta (or newer) required. Adaptive refresh rates vary by display.

[37] Weight and system dimensions may fluctuate due to configuration and manufacturing variances.

[39] Percentage of ocean-bound plastic contained in each component varies by product.

[41] Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product.

[42] For optimal performance and battery chargeability while gaming and rendering, use the power adapter that ships with the PC. You can use the 100W/20V Type-C adapter or power bank when running light loading tasks. System-off charging is only supported on 20V Type-C adapter or power bank.

[45] The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights or LED emissions. OLED panel is functional with DC-DIMMING when above 100nits.

[46] Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower.