HP Laptop AI 15-fd2001nia

Reliable tech with built-in AI power and solid performance.

The HP 15.6" Laptop AI PC delivers rock-solid performance with a responsive Intel® Core™ Ultra Processor[1] built-in AI, high-quality camera, and fast Wi-Fi[2]. Boost productivity with ample storage, easy-access Copilot key[3] for instant AI assistance, and HP Fast Charge[4] to quickly power up your battery.

*Product image may differ from actual product

Stay in touch with stunning clarity
Video chat in vibrant clarity with a high-quality camera, dual array digital mics and fast connectivity.

Get your hustle on with built-in AI power
Stay productive with an Intel® Core™ Ultra Processor[1], quick-charge battery and easy access Copilot Key[3].

An immersive display with crisp, stunning visuals
Get lost in your favorite content with wide-viewing angles, 85% screen-to-body ratio[5] and sharp visuals.

Sustainability in action

Built for a better tomorrow
This reliable PC is thoughtfully designed with recycled materials[6] and is EPEAT® Gold registered [7].

with TÜVRheinland CERTIFIED

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Featuring

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.[8]

Full HD display
Sit back and enjoy crystal-clear visuals and images with the vibrant quality of 2 million pixels. The 1920 x 1080 resolution gives all your digital content a new dimension.[9]

Anti-glare panel
Enjoy the sun and your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare while you're outside.

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

Sustainable design
Because little things make a big difference, this product includes sustainable materials like ocean-bound plastic and post-consumer recycled plastic in the design.[10]

Keyboard contains post-consumer recycled plastic
We're bringing a more thoughtful design to our keyboards by using post-consumer recycled plastic in the design.[11]

ENERGY STAR® certified
Save energy and money with ENERGY STAR®, certified by the EPA so you will use less energy and save money where it counts most.[12]

EPEAT® Gold registered
EPEAT® Gold registered products are the highest-rated products that meet all of EPEAT required criteria. EPEAT is the world's premier ecolabel for electronics.[13]

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 45 minutes.[14]

PCIe SSD storage
Boot up in seconds with lightning fast speed with up to 512 GB PCIe SSD storage.

Effortlessly connected
Enjoy faster speeds, improved performance and greater capacity with Wi-Fi 6 and Bluetooth® 5.3 wireless card.[15]

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.

USB Type-C® Power + Display + 10Gbps signaling rate
Power your device or connect to an external display from just one USB-C® port with 10Gbps signaling rate. And it's reversible, so you never have to worry about plugging in upside down.[16]

Backlit keyboard with integrated numeric pad
Keep going even in dimly lit rooms or aboard red-eye flights. With an illuminated keyboard and integrated numeric pad, you can type comfortably in more environments.

HP Precision Imagepad with touchpad support
Experience precision with the power of gestures and movement that adds support so you can filter and sort through your HP computer with ease.

Microphone Mute
Enjoy greater peace of mind and the convenience of a dedicated microphone mute button that you can easily activate and know it's on or off with an LED indicator light.

HP True Vision HD Camera
Video chat in vibrant clarity, even in low light and make every conversation a face-to-face experience for a better way to stay in touch.[17]

Recommended accessories and services (not included)

3-year return to depot
U1PS9E

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Specifications

Performance

Operating system
FreeDOS 3.0

Processor
Intel® Core™ Ultra 5 225U (up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 12 cores, 14 threads)[6,7]
Processor family: Intel® Core™ Ultra 5 processor
Neural Processing Unit (NPU): Intel® AI Boost (12 NPU TOPS)

Chipset
Intel® integrated SoC

Memory
16 GB DDR5-5600 MT/s (2 x 8 GB)
Transfer rates up to 5600 MT/s.
Number of User-accessible Memory Slots: 0

Storage
512 GB PCIe® NVMe™ M.2 SSD

Graphics
Integrated: Intel® Graphics;

Audio
Dual speakers

Display
39.6 cm (15.6") diagonal, FHD (1920 x 1080), micro-edge, anti-glare, 250 nits, 45% NTSC[17]

Screen-to-body ratio
85%[18]

Power
45 W USB Type-C® power adapter;

System coolers

Battery type
3-cell, 41 Wh Li-ion polymer[23]

Battery and Power
Up to 7 hours[3];
Supports battery fast charge: approximately 50% in 45 minutes[5]

Maximum battery life video playback
Up to 9 hours and 45 minutes[10]

Connectivity

Wireless connectivity
Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) [11,12,46]
Modern Standby (Connected)

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

Webcam
HP True Vision 720p HD camera with temporal noise reduction and integrated dual array digital microphones

Sustainability

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

Design

Product color
Natural silver
Matte paint cover and keyboard frame finish, textured base

Additional information

Part Number
P/N: BL8Q0EA #BH5
UPC/EAN code: 199251232596

Weight
1.65 kg;
Packed: 2.29 kg

Dimensions
35.98 x 23.6 x 1.86 cm;
Packed: 6.9 x 52 x 30.5 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.

Keyboard
Full-size, backlit, soft grey keyboard with numeric keypad
HP Imagepad;Precision Touchpad support

Security management
Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support

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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 is not a measurement of higher performance.

[2] Internet access required and not included.

[3] Copilot in Windows requires Windows 11. Some features require an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See http://aka.ms/WindowsAIFeatures.

[4] Recharges up to 50% within 30 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. Power adapter minimum of 65 watts required for battery capacities 56Whr or less. Power adapter minimum of 100 watts required for battery capacities greater than 56Whr and less than 83Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 100Whr. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.

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

[6] Ocean-bound plastic material in speaker housing, post-consumer recycled plastic in the keyboard scissors and keycaps. Percent of recycled materials contained in each component varies by product.

[7] 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.

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

[9] Full high-definition (FHD) content is required to view FHD images.

[10] Percentage of ocean-bound plastic and post-consumer recycled plastic varies by product. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

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

[12] ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.

[13] EPEAT® Gold registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

[14] Recharges your battery up to 50% within 45 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.

[15] 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.

[16] Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

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

Technical Specifications Footnotes

[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 45 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. 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.

[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.

[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.

[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.

[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 keycap contains post-consumer recycled plastic. Percentage of Post consumer recycled contained in each component varies by product.

[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.

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