

Victus Gaming Laptop 16-r1041nia

Gateway to max gaming performance on the go.

The Victus by HP Laptop is made for peak PC gaming. This sleek machine touts a 14th Gen Intel® Core™ processor¹ and modern NVIDIA® graphics card. This laptop also has new optimization features to push performance even further², updated thermals, and an upgraded keyboard.



*Product image may differ from actual product



The best and latest performance components

Unlock better gaming with a 14th Gen Intel® Core™ processor¹, a modern NVIDIA™ graphics card, and up to DDR5 memory.



Optimization features for even better performance

Victus makes better performance easier with features that automatically optimize your gaming while you play.



Express yourself with an upgraded keyboard

For the first time in a Victus, you can upgrade to a backlit keyboard and express your best gaming self.

Sustainability in action

Sustainability in action

EPEAT® Gold³ and ENERGY STAR® certified.

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Featuring

Game without compromise. Go beyond performance with Intel Core.

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.⁴

NVIDIA® GeForce RTX™ 3050

Step up to the power of 2nd generation RTX powered by the award-winning NVIDIA Ampere architecture. AI and new system optimizations create more efficient gaming laptops in new and innovative form factors.⁵

144Hz FHD anti-glare display

Reduce frustrating lag and image ghosting with a display that combines a 144Hz refresh rate and 1080p Full High Definition resolution for smooth, crisp gameplay.⁶

Micro Edge display

By squeezing a larger screen into a smaller frame, this ultra-thin, barely visible bezel revolutionizes your display's appearance with a beautifully efficient design.⁷

144Hz Display

Reduce frustrating lag and image ghosting with a 144Hz display.⁸

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.

62.5% sRGB

Enjoy a 62.5% sRGB display for clear color.

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.

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 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

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.¹²

Effortlessly connected

Enjoy ultra-fast gigabit data rate with a Wi-Fi 6 (2x2) and Bluetooth® 5.3 combo¹³

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.¹⁴

USB Type-C® Power + Display + 5Gbps signaling rate

Power your device or connect to an external display from just one USB-C® port with 5Gbps signaling rate. And it's reversible, so you never have to worry about plugging in upside down.¹⁵

512 GB PCIe® Gen4 NVMe™ M.2 SSD

With high-speed data transfer, the 512 GB PCIe Gen4 NVMe M.2 SSD offers lightning fast speed and efficient storage.¹⁶

Audio tuned by HyperX

Immerse yourself in the sweet sounds of audio mixed and tuned by HyperX.

DDR5 RAM

Designed to run efficiently and reliably at faster speeds, DDR5 is the latest RAM standard. With higher bandwidth, you get more of a boost in performance.

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.

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.

Recommended accessories and services (not included)



3-year return to depot
U4817E



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Specifications



Performance

Operating system
FreeDOS 3.0

Processor
Intel® Core™ i7-14650HX (up to 5.2 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads)^{6,7}
Processor family: Intel® Core™ i7 14th generation processor

Chipset
Intel® HM770

Memory
16 GB DDR5-5600 MT/s (1 x 16 GB)
Transfer rates up to 5600 MT/s.
Number of User-accessible Memory Slots: 2

Storage
512 GB PCIe® Gen4 NVMe™ M.2 SSD

Graphics
Discrete: NVIDIA® GeForce RTX™ 3050 Laptop GPU (6 GB GDDR6 dedicated);
Powered by NVIDIA Ampere architecture

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

Display
40.9 cm (16.1") diagonal, FHD (1920 x 1080), 144 Hz, IPS, micro-edge, anti-glare, 300 nits, 62.5% sRGB¹⁷

Screen-to-body ratio
83.4%¹⁸

Power
200 W Smart AC power adapter;

Battery type
4-cell, 70 Wh Li-ion polymer²³

Battery and Power
Supports battery fast charge: approximately 50% in 30 minutes⁵

Connectivity

Network interface
Integrated 10/100/1000 GbE LAN

Wireless connectivity
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

Ports
1 USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 1 USB Type-C® 5Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 2 USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 AC smart pin; 1 headphone/microphone combo^{19,42}

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

Sustainability

Sustainable impact specifications
Ocean-bound plastic in bezel; Keyboard keycaps and scissors contain post-consumer recycled plastic^{39,41}

Design

Product color
Performance blue, chrome logo
Paint finish

Additional information

Part Number
P/N: C34GFEA #BH5
UPC/EAN code: 199485453705

Weight
2.31 kg;
Packed: 3.62 kg

Dimensions
36.9 x 25.94 x 2.29 cm (front); 36.9 x 25.94 x 2.39 cm (rear);
Packed: 6.9 x 55.2 x 34.5 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, performance blue opaque keyboard with numeric keypad
HP Imagepad

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

Sensors
IR thermal sensor



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Footnotes

Messaging Footnotes

- ¹ Multi-core is designed to improve the performance of certain software products. Not all customers or software applications will necessarily benefit from the 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 Colors may vary by region. Check with the local region or country for availability.
- ³ 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.
- ⁴ Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.
- 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. Check with the PC manufacturer about support for specific NVIDIA technologies.
- ⁶ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ⁷ Display measured diagonally
- 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 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 Percentage of post-consumer recycled plastic contained in keycap varies by product.
- ¹² Recharges your battery up to 50% within 30 minutes when the system is off using "shut down" command, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see <http://store.hp.com>). 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.
- ¹³ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Requires a wireless router, sold separately, that supports 80MHz channels. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported.
- ¹⁴ Features may require software or other 3rd party applications to provide the described functionality.
- ¹⁵ Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum. Display measured diagonally
- ¹⁶ 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.

Technical Specifications Footnotes

- ⁵ Recharges your battery up to 50% within 30 minutes when the system is off using "shut down" command, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see <http://store.hp.com>). 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.
- 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.
- 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.
- 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 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.

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