

# Victus by HP Laptop 16-d0031na



## Let's Play

Powered by an Intel® Core™ processor<sup>1</sup>, the Victus by HP 16.1 inch laptop has all the features to handle your gaming and daily needs. Increase your gaming flexibility with an all-purpose gaming keyboard and enjoy a tear-free fast refresh rate display. Power through the heat of every game with a cooling system<sup>2</sup> that prevents overheating. Elevate your gaming experience beyond your hardware with the OMEN Gaming Hub.



\*Product image may differ from actual product



### Keep cool and game longer

Power through the heat of every game with a cooling system<sup>2</sup> that prevents overheating.



### Made for play

Play at your best with tear-free gameplay at a fast refresh rate and enjoy an ultra-sharp visual experience.



### Customize with OMEN Gaming Hub

Your one-stop shop to elevate gameplay, from controlling every little performance to lighting options and more.



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## Featuring

### Windows 10

Do great things confidently with the familiar feel of Windows - only better.<sup>3</sup>

### Exceptional experience, anywhere

11th Gen Intel® Core™ processors bring the perfect combination of features to make you unstoppable. Get things done fast with high performance, instant responsiveness and best-in-class connectivity.<sup>4</sup>

### NVIDIA® GeForce RTX™ 3050 Ti

Step up to the power of 2nd generation RTX with GeForce RTX 3050 Ti laptops. They are powered by the award-winning NVIDIA Ampere architecture, featuring new RT Cores, Tensor Cores, and streaming multiprocessors to enable ray-traced graphics and cutting-edge AI features such as NVIDIA DLSS. GeForce laptops with new 3rd gen Max-Q technologies use AI and new system optimizations to create more efficient gaming laptops in new and innovative form factors.<sup>5</sup>

### 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.<sup>6</sup>

### 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.<sup>7</sup>

### Effortlessly connected

Enjoy a smoother wireless experience with Wi-Fi 6 (2x2) and Bluetooth® 5.0 combo, all your connections are solid and up to 3x faster file transfer speeds than Wi-Fi 5.<sup>8</sup>

### 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.<sup>9</sup>

### HP Wide Vision HD Camera

The 88-degree, wide-angle field of view lets you video chat with the entire family or group of friends in crystal clear detail.<sup>10</sup>

### SuperSpeed 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.<sup>11</sup>

### 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.

### 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.

### Micro-edge display

See more of your screen with a micro-edge display that maximizes your viewing area.

### 100% sRGB

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

### 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.

### 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, OGH elevates play in easy and simple way.

### 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.<sup>14</sup>

### Thoughtfully designed

Built with the environment in mind, our laptop design includes sustainable materials like ocean-bound plastic in the cover, bezel, and speaker enclosure.<sup>15</sup>

### An exceptionally rich audio experience

With HP Dual Speakers, HP Audio Boost, and custom tuning by the experts at Bang & Olufsen, entertainment comes to life with sound you can feel. Awaken your senses with PC audio perfection.

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## Specifications

### Performance

#### Operating system

Windows 10 Home 64 Plus – free upgrade to Windows 11 when available<sup>38</sup>  
This PC comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. The Windows 11 upgrade will be delivered late 2021 into 2022. Timing varies by device. Certain features require specific hardware. See aka.ms/windows11-spec

#### Processor

Intel® Core™ i5-11400H (up to 4.5 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores, 12 threads)<sup>6,7</sup>  
Processor family: 11th Generation Intel® Core™ i5 processor

#### Chipset

Intel® HM570

#### Memory

16 GB DDR4-2933 MHz RAM (2 x 8 GB)  
Transfer rates up to 2933 MT/s.  
Number of User-accessible Memory Slots: 2

#### Storage

512 GB Intel® PCIe® NVMe™ M.2 SSD  
32 GB Intel® Optane™ memory<sup>9</sup>  
Optical drive not included  
25 GB Dropbox storage for 12 months<sup>1</sup>

#### Graphics

Discrete: NVIDIA® GeForce RTX™ 3050 Ti Laptop GPU (4 GB GDDR6 dedicated) ;

#### Audio

Audio by B&O; Dual speakers; HP Audio Boost

#### Display

40.9 cm (16.1") diagonal, FHD (1920 x 1080), 144 Hz, IPS, micro-edge, anti-glare, 250 nits, 45% NTSC<sup>17</sup>

#### Screen-to-body ratio

83.56%<sup>18</sup>

#### Power

200 W Smart AC power adapter;

#### Battery type

4-cell, 70 Wh Li-ion polymer<sup>23</sup>  
280 g

#### Battery and Power

Up to 5 hours and 45 minutes<sup>3</sup>;  
Supports battery fast charge: approximately 50% in 30 minutes<sup>5</sup>

#### Maximum battery life video playback

Up to 7 hours and 15 minutes<sup>10</sup>

### Connectivity

#### Network interface

Integrated 10/100/1000 GbE LAN

#### Wireless connectivity

Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit data rate)<sup>11,12,13,16</sup>  
MU-MIMO supported; Miracast compatible

#### Ports

1 SuperSpeed USB Type-C® 5Gbps signaling rate (DisplayPort™ 1.4, HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 AC smart pin; 1 headphone/microphone combo<sup>19</sup>

#### Expansion slots

1 multi-format SD media card reader

#### Webcam

HP Wide Vision 720p HD camera with integrated dual array digital microphones

### Design

#### Product color

Mica silver, dark chrome logo  
Paint finish

### Software

#### HP apps

HP Audio Switch; HP Connection Optimizer; HP CoolSense; HP QuickDrop; OMEN Gaming Hub

#### Software

Alexa; ExpressVPN (30 day free trial); LastPass Premium (30 day free trial)<sup>22</sup>;  
1 month trial for new Microsoft 365 customers<sup>24</sup>

#### Service & support

McAfee LiveSafe™<sup>2</sup>

### Additional information

#### Part Number

P/N: 4H2B0EA #ABU  
UPC/EAN code: 196068733414

#### Ecolabels

EPEAT® registered<sup>27</sup>  
ENERGY STAR® certified

#### Sustainable impact specifications:

Ocean-bound plastic in base, bezel, keyboard frame and speaker enclosure; Keyboard keycaps made with post-consumer recycled plastic<sup>39,41</sup>

#### Weight

2.48 kg;  
Packed: 3.71 kg  
Weight Note: Weight varies by configuration

#### Dimensions

37 x 26 x 2.35 cm;  
Packed: 6.9 x 55.2 x 34.5 cm  
Dimension Note: Dimensions vary by configuration

#### 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, mica silver keyboard with numeric keypad  
HP Imagepad with multi-touch gesture support; Precision Touchpad Support

#### Security management

Fingerprint reader not available

#### Sensors

Accelerometer

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## Recommended accessories

\* Not included.



HP Pavilion Gaming Mouse 300  
4PH30AA



HP Pavilion Gaming Mouse Pad 300  
4PZ84AA



HP Pavilion Gaming Backpack 500  
6EU58AA



3-year pickup and return  
U4819E

## Key Selling Points Footnotes

<sup>1</sup> 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.

<sup>2</sup> Thermal solution varies by configuration.

## Feature Messaging Footnotes

<sup>3</sup> 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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>.

<sup>4</sup> 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.

<sup>5</sup> ©2021 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 laptop manufacturer about support for specific NVIDIA technologies.

<sup>6</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<sup>7</sup> 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.

<sup>8</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. 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. Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where the Wi-Fi 6 (802.11ax) will be disabled and downgraded to 802.11ac by the Intel's DRS solution.

<sup>9</sup> Percentage of post-consumer recycled plastic contained in keycap varies by product.

<sup>10</sup> Features may require software or other 3rd party applications to provide the described functionality.

<sup>11</sup> Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

<sup>14</sup> 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 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.

<sup>15</sup> Percentage of ocean-bound plastic contained in each component varies by product.

## Technical Specifications Footnotes

<sup>1</sup> 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.

<sup>2</sup> Free 30 day subscription of McAfee LiveSafe service included. Internet access required and not included. Subscription required after expiration.

<sup>3</sup> Windows MobileMark 18 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-2018/> for additional details.

<sup>5</sup> 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.

<sup>6</sup> 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.

<sup>9</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

<sup>10</sup> Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system.

<sup>10</sup> Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 150 nits brightness, system audio level at 17%, player audio level at 100%, played full-screen from local storage, headphone attached, wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.

<sup>11</sup> Wi-Fi® supporting gigabit speeds is achievable when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160 MHz channels.

<sup>12</sup> Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.

<sup>13</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. 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.

<sup>16</sup> Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

<sup>17</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<sup>18</sup> Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

<sup>19</sup> For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

<sup>22</sup> Reverting to LastPass basic after 30 days.

<sup>23</sup> 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.

<sup>24</sup> Must activate within 180 days of Windows activation.

<sup>27</sup> Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information.

<sup>38</sup> 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>

<sup>39</sup> Percentage of ocean-bound plastic contained in each component varies by product.

<sup>41</sup> Keyboard keycap contains post-consumer recycled plastic. Percentage of Post consumer recycled contained in each component varies by product.

