



# HP Laptop 15-fd0040ca (B5NS6UA)



## Overview

### A reliably built laptop to keep you in the zone

The HP 15.6" Laptop PC empowers you to do more with the reliable power of an Intel® Processor[1], plus ample storage, and powerful graphics in a sleek, thoughtfully designed device. Created for wherever the day takes you and built with ocean-bound and post-consumer recycled plastics[2], it's easy to show some love for the planet.



### Built to keep you connected to everyone

Made for collaboration with a HP True Vision Camera[3] with a privacy door, dual mics, and advanced noise-reduction.



### Productivity at the speed of life

This EPEAT® Gold Registered and ENERGY STAR® Certified device[4], delivers crisp quality on a 15.6" display.



### Take on the day, every day

Face any day prepared with a dependable Intel® Processor[1], ample storage, fast connections, and plenty of memory.

## Specifications

<b>Operating system</b>	Windows 11 Home
<b>Product color</b>	Natural silver
<b>Processor family</b>	13th Generation Intel® Core™ i3 processor
<b>Processor</b>	Intel® Core™ i3-1315U (up to 4.5 GHz with Intel® Turbo Boost Technology, 10 MB L3 cache, 6 cores, 8 threads) <sup>[6,7]</sup>
<b>Chipset</b>	Intel® integrated SoC
<b>Memory</b>	8 GB DDR4-3200 MT/s (1 x 8 GB)
<b>Internal Storage</b>	512 GB PCIe® NVMe™ M.2 SSD
<b>Product design</b>	Matte paint cover and keyboard frame finish, textured base
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® UHD Graphics
<b>Display</b>	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, micro-edge, anti-glare, 300 nits, 62.5% sRGB
<b>Display</b>	15.6" diagonal, FHD (1920 x 1080), IPS, micro-edge, anti-glare, 300 nits, 62.5% sRGB
<b>Display size (diagonal)</b>	39.6 cm (15.6")
<b>Display size (diagonal)</b>	15.6"
<b>Audio</b>	Dual speakers
<b>Dimensions (W x D x H)</b>	35.98 x 23.6 x 1.86 cm
<b>Dimensions (W x D x H)</b>	14.17 x 9.29 x 0.73 in
<b>Weight</b>	1.59 kg
<b>Weight</b>	3.52 lb
<b>Keyboard</b>	Full-size, soft grey keyboard with numeric keypad
<b>Pointing device</b>	HP Imagepad
<b>Camera</b>	HP True Vision 720p HD camera with temporal noise reduction and integrated dual array digital microphones
<b>Ports</b>	1 USB Type-C® 5Gbps signaling rate (supports data transfer only and does not support charging or external monitors); 2 USB Type-A 5Gbps signaling rate; 1 AC smart pin; 1 HDMI 1.4b; 1 headphone/microphone combo
<b>Package dimensions (W x D x H)</b>	6.9 x 52 x 30.5 cm
<b>Package weight</b>	2.29 kg
<b>Wireless</b>	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) <sup>[11,12,46]</sup>
<b>Power supply type</b>	45 W Smart AC power adapter
<b>Battery type</b>	3-cell, 41 Wh Li-ion polymer ( <i>[23]</i> )

<b>Battery life</b>	Up to 7 hours and 45 minutes <sup>[3]</sup>
<b>Battery recharge time</b>	Supports battery fast charge: approximately 50% in 45 minutes <sup>[5]</sup>
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Sustainable impact specifications</b>	Ocean-bound plastic in speaker enclosure(s); Keyboard keycaps and scissors contain post-consumer recycled plastic
<b>Security management</b>	Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
<b>Software included</b>	McAfee Online Protection 30-day trial
<b>Software - Productivity &amp; finance</b>	1 month trial for new Microsoft 365 customers <sup>[24]</sup>
<b>Cloud service</b>	25 GB Dropbox storage for 12 months <sup>[1]</sup>
<b>UPC number</b>	198990107370

## Additional specifications

<b>Aspect ratio</b>	16:9
<b>Battery capacity</b>	41
<b>Battery capacity uom</b>	Wh
<b>Battery cells number</b>	3
<b>Battery life video playback</b>	Up to 9 hours and 45 minutes
<b>Battery type</b>	Li-ion polymer
<b>Bluetooth version</b>	Bluetooth® 5.3
<b>Brightness</b>	300 nits
<b>Camera brand</b>	HP True Vision
<b>Camera microphone</b>	integrated dual array digital microphones
<b>Camera resolution (vertical)</b>	720p
<b>Camera resolution standard</b>	HD
<b>Color</b>	Natural silver
<b>Color gamut</b>	62.5% sRGB
<b>Display</b>	39.6 cm (15.6") diagonal FHD display
<b>Display</b>	15.6" diagonal FHD display
<b>Display bezel</b>	Micro-edge
<b>Display brightness</b>	300
<b>Display brightness uom</b>	nits
<b>Display panel technology</b>	IPS
<b>Display resolution (pixels)</b>	1920 x 1080
<b>Display resolution standard</b>	FHD
<b>Display size (diagonal) uom</b>	"
<b>Display size (diagonal, imperial)</b>	15.6
<b>Display size (diagonal, metric)</b>	39.6
<b>Display size (diagonal, metric) uom</b>	cm
<b>Display surface treatment</b>	Anti-glare
<b>Ecolabels</b>	EPEAT® Gold registered
<b>Flicker-free</b>	Yes <sup>[45]</sup>
<b>HDMI out – version</b>	1.4b
<b>HDMI –out</b>	1
<b>Headphone/microphone combo</b>	1

<b>Keyboard color</b>	soft grey
<b>Keyboard keypad</b>	Numeric keypad
<b>Keyboard size</b>	Full-size
<b>Memory and storage</b>	8 GB memory;512 GB SSD storage
<b>Memory layout (slots &amp; size)</b>	1 x 8 GB
<b>Memory module type</b>	DIMM
<b>Memory size</b>	8
<b>Memory size uom</b>	GB
<b>Memory speed</b>	3200
<b>Memory speed uom</b>	MT/s
<b>Memory type</b>	DDR4
<b>Number of User-accessible Memory Slots</b>	0
<b>Number of memory slots</b>	1
<b>Package depth, imperial (most common size)</b>	20.47
<b>Package depth, imperial (smallest possible size)</b>	19.01
<b>Package depth, metric (most common size)</b>	52
<b>Package depth, metric (smallest possible size)</b>	48.3
<b>Package dimensions (W x D x H)</b>	20.47 x 2.71 x 12 in
<b>Package height, imperial (most common size)</b>	12
<b>Package height, imperial (smallest possible size)</b>	12
<b>Package height, metric (most common size)</b>	30.5
<b>Package height, metric (smallest possible size)</b>	30.5
<b>Package weight</b>	5.05 lb
<b>Package width, imperial (most common size)</b>	2.71
<b>Package width, imperial (smallest possible size)</b>	2.71
<b>Package width, metric (most common size)</b>	6.9
<b>Package width, metric (smallest possible size)</b>	6.9

<b>Packaging unit of measure (imperial)</b>	in
<b>Packaging unit of measure (metric)</b>	cm
<b>Playbook TS icon OS</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png</a>
<b>Playbook TS icon battery life</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png</a>
<b>Playbook TS icon connectivity</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png</a>
<b>Playbook TS icon dimensions NB</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08250394.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08250394.png</a>
<b>Playbook TS icon display NB</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08205649.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08205649.png</a>
<b>Playbook TS icon graphics</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png</a>
<b>Playbook TS icon memory</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png</a>
<b>Playbook TS icon processor</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png</a>
<b>Playbook TS icon storage</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png</a>
<b>Playbook TS icon weight imperial</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png</a>
<b>Playbook TS icon weight metric</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png</a>
<b>Processor Brand</b>	Intel®
<b>Processor cache</b>	10 MB L3
<b>Processor core</b>	6
<b>Processor family</b>	Core™ i3
<b>Processor frequency technology</b>	Intel® Turbo Boost Technology
<b>Processor generation</b>	13th Generation
<b>Processor maximum frequency</b>	4.5
<b>Processor maximum frequency uom</b>	GHz
<b>Processor model</b>	1315U
<b>Processor threads</b>	8
<b>Product brand name</b>	HP
<b>Product long name specifications</b>	HP Laptop 15-fd0040ca, Windows 11 Home, 15.6", Intel® Core™ i3, 8GB RAM, 512GB SSD, FHD, Natural silver
<b>Product long name specifications V2</b>	HP Laptop 15, Windows 11 Home, 15.6", Intel® Core™ i3, 8GB RAM, 512GB SSD, FHD, Natural silver
<b>Product short name specifications</b>	HP Laptop 15-fd0040ca, 15.6", Intel® Core™ i3, 8GB RAM, 512GB SSD
<b>Screen-to-body ratio (without speakers)</b>	85% <sup>[18]</sup>
<b>Storage capacity</b>	512
<b>Storage capacity uom 01</b>	GB
<b>Storage form factor 01</b>	M.2

<b>Storage interface 01</b>	PCIe®
<b>Storage interface protocol 01</b>	NVMe™
<b>Storage type</b>	SSD
<b>Storage type 01</b>	SSD
<b>Touchscreen</b>	No
<b>UNSPSC code</b>	43211503
<b>USB Type-A</b>	2
<b>USB Type-C</b>	1
<b>Wireless Model</b>	Wi-Fi 6
<b>Wireless antenna</b>	2x2
<b>Wireless standard</b>	Wi-Fi 6
<b>Wireless supplier</b>	Intel®
<b>Wireless transfer speeds</b>	Supporting Gigabit data rate

[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.

[3] 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-v1-5/> for additional details.

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

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

[24] Must activate within 180 days of Windows activation.

[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.