

# HP Pavilion Plus Laptop 16-ab1012nc (BX8Q7EA)



## Take on the world with the HP Pavilion Plus 16" Laptop

Step it up with the HP Pavilion Plus 16" Laptop PC, with a powerful Intel® Core™ Processor<sup>[1]</sup>, mesmerizing screen enhancements, and seamless collaboration tools that give you the edge to surpass all expectations. Login fast via the 5MP camera with Windows Hello<sup>[2]</sup>, while specialty video controls keep you looking good and connected with everyone.

### Powerful performance with an Intel® Processor

With an Intel® Core™ Processor<sup>[1]</sup> and enhanced software, the HP Pavilion Plus is ready for your toughest tasks.

### Experience every detail on a pixel-perfect display

Enjoy every vibrant detail for work and entertainment on a 16" WQXGA display<sup>[3]</sup> with Eyesafe® certification<sup>[4]</sup>.

### Seamless connectivity and collaboration

Show up with a 5MP camera, dual-array mic for seamless connectivity and collaboration.

## Featuring

### 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. <sup>[7]</sup>

### Game without compromise. Go beyond performance with Intel Core Ultra Processors.

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. <sup>[8]</sup>

### NVIDIA® GeForce RTX™ 4050

The NVIDIA® GeForce RTX™ 4050 (6GB) delivers the ultra performance and features that enthusiast gamers and creators demand.

### 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. <sup>[9]</sup>

### Wide Quad Extended Graphics Array Display

Get lost in the captivating definition with 2560 × 1600 pixels. <sup>[10]</sup>



## Specifications

<b>Operating system</b>	Windows 11 Pro
<b>Product color</b>	Natural silver aluminum
<b>Processor family</b>	Intel® Core™ Ultra 7 processor
<b>Processor</b>	Intel® Core™ Ultra 7 155H (up to 4.8 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 16 cores, 22 threads) [6,7]
<b>Chipset</b>	Intel® integrated SoC
<b>Memory</b>	32 GB LPDDR5x-6400 MT/s (onboard)
<b>Internal Storage</b>	1 TB PCIe® NVMe™ M.2 SSD
<b>Product design</b>	Sandblasted cover, matte finish base and keyboard frame
<b>Graphics</b>	Discrete
<b>Graphics (discrete)</b>	NVIDIA® GeForce RTX™ 4050 Laptop GPU (6 GB GDDR6 dedicated)
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® Arc™ Graphics
<b>Display</b>	40.6 cm (16") diagonal, WQXGA (2560 x 1600), 48-120 Hz, IPS, micro-edge, anti-glare, Low Blue Light, 400 nits, 100% sRGB
<b>Display</b>	16" diagonal, WQXGA (2560 x 1600), 48-120 Hz, IPS, micro-edge, anti-glare, Low Blue Light, 400 nits, 100% sRGB
<b>Display size (diagonal)</b>	40.6 cm (16")
<b>Display size (diagonal)</b>	16"
<b>Audio</b>	DTS:X® Ultra; Dual speakers; HP Audio Boost; Poly Studio
<b>Dimensions (W x D x H)</b>	35.7 x 25.35 x 1.77 cm (front); 35.7 x 25.35 x 1.99 cm (rear)
<b>Dimensions (W x D x H)</b>	14.06 x 9.98 x 0.7 in (front); 14.06 x 9.98 x 0.78 in (rear)
<b>Weight</b>	1.89 kg
<b>Weight</b>	4.19 lb
<b>Keyboard</b>	Full-size, backlit, soft grey keyboard with numeric keypad
<b>Pointing device</b>	HP Imagepad
<b>Camera</b>	5MP IR camera with temporal noise reduction and integrated dual array digital microphones
<b>Ports</b>	1 USB Type-A 10Gbps signaling rate; 1 USB Type-A 5Gbps signaling rate; 1 AC smart pin; 1 HDMI-out 2.1; 1 headphone/microphone combo; 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1, HP Sleep and Charge); 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4a, HP Sleep and Charge)[19]
<b>Package dimensions (W x D x H)</b>	6.9 x 55.2 x 34.5 cm
<b>Package weight</b>	2.7 kg
<b>Wireless</b>	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card [12,46]
<b>Power supply type</b>	135 W AC power adapter
<b>Battery type</b>	4-cell, 68 Wh Li-ion polymer ([23])
<b>Battery life</b>	Up to 13 hours [3]
<b>Battery recharge time</b>	Supports battery fast charge: approximately 50% in 30 minutes [5]
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Sustainable impact specifications</b>	Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard keycaps and scissors contain post-consumer recycled plastic; Recycled metal in cover, keyboard frame, base, sideband, hinge cap(s) and keyboard supporting plate
<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 [24]
<b>Cloud service</b>	25 GB Dropbox storage for 12 months [1]
<b>UPC number</b>	199251729263

Top Recommended Displays, Accessories and Services

Series 5

HP Series 5 31.5 inch FHD Monitor - 532sf	94F50AA
HP Series 5 31.5 inch FHD Monitor - 532sf	94F51AA
HP Series 5 27 inch FHD Height Adjust Monitor - 527sh	94C50AA
HP Series 5 27 inch FHD Height Adjust Monitor - 527sh	94C51AA

HP Home Monitors

HP M27fq QHD Monitor	2H4B5AA
HP M27fq QHD Monitor	2H4B8AA

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

[3] WQXGA content required to view WQXGA images.

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

[7] 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>.

[8] Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.

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

[10] WQXGA content is required to view WQXGA images.

## Technical Specifications Footnotes

[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] 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, 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.

[12] Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where 6GHz is supported.

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

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

[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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