HP Pavilion Laptop 15-eg1024nb (590H4EA)

Overview

Works anywhere. Plays everywhere.

The Pavilion 15 Laptop packs more performance into a smaller profile, so you can get more done wherever you go. Enjoy mind-blowing entertainment with a micro-edge screen and Audio by B&O.

Instant gratification

Performance that's one step ahead. Experience a laptop that can keep up with you with a premium 11th Gen Intel® processor.

Epic entertainment

With Audio by B&O, a larger screen-to-body ratio, and flicker-free[1] micro-edge bezel that maximize your view, entertainment on your laptop feels like stuffing a large popcorn into the small bag.

Less to carry. More to enjoy.

A compact laptop that makes it easy to get work done on the go with a Precision Touchpad, while the long battery life and HP Fast Charge let you keep moving.

Features

Get a fresh perspective

Windows 11 provides a calm and creative space where you can pursue your passions through a fresh experience. 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.[2]

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.[3]

FHD IPS display

Enjoy crystal-clear images from any angle. With 178° wide-viewing angles and a vibrant 1920 x 1080 resolution, you'll always have a great view of your favorite content.[4]

PCIe SSD storage

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

Effortlessly connected

Enjoy a smooth wireless experience with a Wi-Fi CERTIFIED 6™ (2x2) and Bluetooth® 5 combo.[5]

DDR4 RAM

Designed to run more efficiently and more reliably at faster speeds, DDR4 is the future of RAM. With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

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

[2] 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.

[3] 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.

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

[5] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi CERTIFIED 6™ (802.11ax) is backwards compatible with prior 802.11 specs. Wi-Fi CERTIFIED 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 CERTIFIED 6™ (802.11ax) is not supported in Belarus where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

Specifications

Operating system	Windows 11 Home
Product color	Natural silver aluminum cover and keyboard frame, natural silver base
Processor family	11th Generation Intel® Core™ i5 processor
Processor	Intel® Core™ i5-1155G7 (up to 4.5 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores, 8 threads)[6,7]
Chipset	Intel® Integrated SoC
Memory	16 GB DDR4-3200 MHz RAM (2 x 8 GB)
Internal Storage	512 GB PCIe® NVMe™ M.2 SSD
Product design	Sandblasted cover and keyboard frame, paint finish base
Optical drive	Optical drive not included
Graphics	Integrated
Graphics (integrated)	Intel® Iris® Xe Graphics
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, micro-edge, anti-glare, 250 nits, 45% NTSC
Display	15.6" diagonal, FHD (1920 x 1080), IPS, micro-edge, anti-glare, 250 nits, 45% NTSC
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio	Audio by B&O; Dual speakers; HP Audio Boost
Minimum dimensions (W x D x H)	36.02 x 23.4 x 1.79 cm *(Dimensions vary by configuration)*
Minimum dimensions (W x D x H)	14.18 x 9.21 x 0.7 in
Weight	1.74 kg *(Weight varies by configuration)*
Weight	3.86 lb
Keyboard	Full-size, backlit, natural silver keyboard with numeric keypad
Pointing device	HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Webcam	HP Wide Vision 720p HD camera with integrated dual array digital microphones
Ports	1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.0; 1 AC smart pin; 1 headphone/microphone combo[19]
Package dimensions (W x D x H)	6.9 x 52 x 30.5 cm
Package weight	2.29 kg

Wireless	MediaTek Wi-Fi 6 MT7921 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)
Power supply type	45 W Smart AC power adapter
Battery type	3-cell, 41 Wh Li-ion
Battery life	Up to 7 hours and 45 minutes[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes[5]
Battery weight	0.42 lb
Battery weight	192 g
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Ocean-bound plastic in speaker enclosure
Security management	Kensington Nano Security lock slot
Software included	McAfee LiveSafe™
Software – Productivity & finance	1 month trial for new Microsoft 365 customers[24]
Cloud service	25 GB Dropbox storage for 12 months[1]
UPC number	196337307162

Additional specifications

Battery capacity	41
Battery capacity uom	Wh
Battery cells number	3
Battery life	Long Life
Battery life video playback	Up to 8 hours and 45 minutes
Battery type	Li-ion
Bluetooth version	Bluetooth® 5.2
Brightness	250 nits
Camera brand	HP Wide Vision
Camera microphone	integrated dual array digital microphones
Camera resolution (vertical)	720p
Camera resolution standard	HD
Color	Natural silver
Color gamut	45% NTSC
Display	39.6 cm (15.6") diagonal FHD display
Display	15.6" diagonal FHD display
Display bezel	micro-edge
Display brightness	250
Display brightness uom	nits
Display panel technology	IPS
Display resolution (pixels)	1920 x 1080
Display resolution standard	FHD
Display size (diagonal) uom	"
Display size (diagonal, imperial)	15.6
Display size (diagonal, metric)	39.6
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
ECC memory	non-ECC
Fingerprint reader	Fingerprint reader not available
Keyboard backlight	backlit
Keyboard color	natural silver
Keyboard keypad	numeric keypad
Keyboard size	Full-size

MDA key selling point	Windows 10 Home or other operating systems available
Memory and storage	16 GB memory; 512 GB SSD storage
Memory layout (slots & size)	2 x 8 GB
Memory module type	DIMM
Memory size	16
Memory size uom	GB
Memory speed	3200
Memory speed uom	MHz
Memory type	DDR4
Number of User-accessible Memory Slots	0
Number of memory slots	2
Package depth, imperial (extended size)	21.73
Package depth, imperial (most common size)	20.47
Package depth, metric (extended size)	55.2
Package depth, metric (most common size)	52
Package dimensions (W x D x H)	2.71 x 20.47 x 12 in
Package height, imperial (extended size)	12
Package height, imperial (most common size)	12
Package height, metric (extended size)	30.5
Package height, metric (most common size)	30.5
Package weight	5.07 lb
Package width, imperial (extended size)	2.71
Package width, imperial (most common size)	2.71
Package width, metric (extended size)	6.9
Package width, metric (most common size)	6.9
Packaging unit of measure (imperial)	in
Packaging unit of measure (metric)	cm

Processor Brand	Intel®
Processor cache	8 MB L3
Processor core	4
Processor family	Core™ i5
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	11th Generation
Processor maximum frequency	4.5
Processor maximum frequency uom	GHz
Processor model	1155G7
Processor threads	8
Product brand name	HP
Product long name specifications	HP Pavilion Laptop 15-eg1024nb, 15.6", Windows 11 Home, Intel® Core™ i5, 16GB RAM, 512GB SSD, FHD, Natural silver
Storage capacity 01	512
Storage capacity uom 01	GB
Storage form factor 01	M.2
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
Touchscreen	No
UNSPSC code	43211503
Wireless Model	MT7921
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	MediaTek
Wireless transfer speeds	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/ 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.

[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.

HP Home Monitors

★ : Recommended

HP Value Displays

HP M32f FHD Monitor	**2H5M7AA ★**	
HP M32f FHD Monitor	**2H5N0AA ★**	
HP M27f FHD Monitor	**2G3D3AA ★**	
HP M27f FHD Monitor	**2H0N1AA ★**	
HP M24f FHD Monitor	**2D9K0AA ★**	
HP M24f FHD Monitor	**2E2Y4AA ★**	
HP 20kh 19.5-inch Display	3WK96A6	obsolete
HP 20kh 19.5-inch Display	3WK96AA	obsolete
HP 22f 22-inch Display	2XN58AA	
HP 22f 22-inch Display	2XN58AS	
HP 22f 22-inch Display	3AJ92AA	
HP 22fw 22-inch Display	3KS60AA	
HP 22fw 22-inch Display	3KS60AS	
HP 22fw 22-inch Display	3KS61AA	
HP 22m 21.5-inch Display	3WL44AA	
HP 22m 21.5-inch Display	3WL45AA	
HP 22x 21.5-inch Gaming Display	6ML40AA	
HP 22x 21.5-inch Gaming Display	6ML40AS	
HP 24ec 23.8-inch Display	1LU21AA	
HP 24f 24-inch Display	2XN60AA	
HP 24f 24-inch Display	2XN60AS	
HP 24f 24-inch Display	3AL28AA	
HP 24f 24-inch Display	9TH23AA	
HP 24fh 23.8-inch Display	4HZ37AA	
HP 24fh 23.8-inch Display	4HZ37AS	
HP 24fh 23.8-inch Display	4HZ38AS	
HP 24fh 23.8-inch Display	5JB78AA	
HP 24fw 24-inch Display	3KS62AA	
HP 24fw 24-inch Display	3KS62AS	
HP 24fw 24-inch Display	3KS63AA	

HP 24fw 24-inch Display	5VU10AA
HP 24fw 24-inch Display	6NB66AA
HP 24fw with Audio 24-inch Display	4TB29AA
HP 24fw with Audio 24-inch Display	4TB29AS
HP 24fw with Audio 24-inch Display	4TB30AA
HP 24m 23.8-inch Display	3WL46AA
HP 24m 23.8-inch Display	3WL47AA
HP 24m 23.8-inch Display	5SQ52AA
HP 24mh 23.8-inch Display	1D0J9AA
HP 24mh 23.8-inch Display	7XM23AA
HP 24mq 23.8-inch Display	1F2J8AA
HP 24mq 23.8-inch Display	7XM24AA
HP 25mx 24.5-inch Display	4JF31AA
HP 25x 24.5-inch Display	3WL50AA
HP 25x 24.5-inch Display	3WL51AA
HP 27 Curved Display	Z4N74AA
HP 27ec 27-inch Display	X3W26AA
HP 27er 27-inch Display	T3M88AA
HP 27f 27-inch 4K Display	5ZP65AA
HP 27f 27-inch 4K Display	5ZP65AS
HP 27f 27-inch 4K Display	5ZP66AA
HP 27f 27-inch Display	2XN62AA
HP 27f 27-inch Display	2XN62AS
HP 27f 27-inch Display	3AL61AA
HP 27fh 27-inch Display	4HZ38AA
HP 27fh 27-inch Display	5JB79AA
HP 27fw 27-inch Display	3KS64AA
HP 27fw 27-inch Display	3KS64AS
HP 27fw 27-inch Display	3KS65AA
HP 27fw 27-inch Display	3MP91AA
HP 27fw 27-inch Display	6NB70AA
HP 27fw with Audio 27-inch Display	4TB31AA
HP 27fw with Audio 27-inch Display	4TB31AS
HP 27fw with Audio 27-inch Display	4TB32AA
HP 27m 27-inch Display	3WL48AA
HP 27m 27-inch Display	3WL48AS

HP 27m 27-inch Display	3WL49AA	
HP 27m 27-inch Display	9UP91AA	
HP 27mq 27-inch Display	1F2J9AA	
HP 27mq 27-inch Display	7XM25AA	
HP 27mx 27-inch Display	4KK74AA	
HP 27x 27-inch Display	3WL52AA	
HP 27x 27-inch Display	3WL53AA	
HP 27xq 27-inch Display	3WL54AA	
HP 27xq 27-inch Display	3WL55AA	
HP 32 Display	2FW77AA	
HP 32 Display	5SQ41AA	
HP 32f Display	6XJ00AA	
HP 32f Display	6XJ00AS	
HP 32s Display	2UD96AA	
HP 32s Display	2UD96AS	
HP 34f 34-inch Curved Display	6JM51AA	obsolete
HP M22f FHD Monitor	2D9J9AA	
HP M22f FHD Monitor	2D9J9AS	
HP M22f FHD Monitor	2D9J9E9	
HP M22f FHD Monitor	2E2Y3AA	
HP M24f FHD Monitor	2D9K0AS	
HP M24f FHD Monitor	2D9K0E9	
HP M24fe FHD Monitor	43G27AA	
HP M24fe FHD Monitor	43G27AS	
HP M24fe FHD Monitor	43G27E9	
HP M24fe FHD Monitor	43G28AA	
HP M24fw FHD Monitor	2D9K1AA	
HP M24fw FHD Monitor	2D9K1AS	
HP M24fw FHD Monitor	2D9K1E9	
HP M24fw FHD Monitor	2E2Y5AA	
HP M24fw FHD Monitor	43B20AA	
HP M24fwa FHD Monitor	34Y22AA	
HP M24fwa FHD Monitor	34Y22AS	
HP M24fwa FHD Monitor	34Y22E9	
HP M24fwa FHD Monitor	34Y23AA	
HP M27f FHD Monitor	2G3D3AS	

HP M27f FHD Monitor	2G3D3E9	
HP M27fe FHD Monitor	43G45AA	
HP M27fe FHD Monitor	43G45AS	
HP M27fe FHD Monitor	43G45E9	
HP M27fe FHD Monitor	43G46AA	
HP M27fq QHD Monitor	2H4B5AA	
HP M27fq QHD Monitor	2H4B5AS	
HP M27fq QHD Monitor	2H4B5E9	
HP M27fq QHD Monitor	2H4B8AA	
HP M27fw FHD Monitor	2H1A4AA	
HP M27fw FHD Monitor	2H1A4AS	
HP M27fw FHD Monitor	2H1A4E9	
HP M27fw FHD Monitor	2H1B1AA	
HP M27fw FHD Monitor	43B24AA	
HP M27fwa FHD Monitor	356D5AA	
HP M27fwa FHD Monitor	356D5AS	
HP M27fwa FHD Monitor	356D5E9	
HP M27fwa FHD Monitor	356D6AA	
HP M32f FHD Monitor	2H5M7AS	
HP M32f FHD Monitor	2H5M7E9	
HP V28 4K Monitor	8WH57AA	
HP V28 4K Monitor	8WH58AA	
HP V28 4K Monitor	8WH58AS	
HP V28 4K Monitor	8WH59AA	
HP VH240a Display	2DS80AA	
HP X24c Gaming Monitor	13Q95AA	
HP X24c Gaming Monitor	9EK40AA	
HP X24c Gaming Monitor	9FM22AA	
HP X24c Gaming Monitor	9FM22AS	
HP X27i 2K Gaming Monitor	8AG16AA	
HP X27i 2K Gaming Monitor	8AG17AA	obsolete
HP X27i 2K Gaming Monitor	8GC08AA	
HP X27i 2K Gaming Monitor	8GC08AS	

HP Home Monitors

HP M27ha FHD Monitor	22H94AA	

HP M27ha FHD Monitor	35M57AA
HP U27 4K Wireless Monitor	9TQ11AA
HP U27 4K Wireless Monitor	9TQ12AA
HP U27 4K Wireless Monitor	9TQ13AA
HP U27 4K Wireless Monitor	9TQ13AS
HP V19e HD Monitor	25Y22AA
HP V19e HD Monitor	25Y25A6
HP V19e HD Monitor	25Y25AA
HP V20 HD+ Monitor	1H848AA
HP V20 HD+ Monitor	1H849AA
HP V20 HD+ Monitor	1H850AA
HP V20 HD+ Monitor	1H850AS
HP V21 FHD Monitor	9TN57AA
HP V21 FHD Monitor	9TN58AA
HP V22 FHD Monitor	9SV78AA
HP V22 FHD Monitor	9SV79AA
HP V22 FHD Monitor	9SV80AA
HP V22 FHD Monitor	9SV80AS
HP V221vb FHD Monitor	453F2AA
HP V22e FHD Monitor	28N41AA
HP V22v FHD Monitor	450M3AA
HP V22v FHD Monitor	450M4AA
HP V22v FHD Monitor	450M5AA
HP V22v FHD Monitor	450M5AS
HP V24 FHD Monitor	9SV71AA
HP V24 FHD Monitor	9SV73AA
HP V24 FHD Monitor	9SV73AS
HP V24 FHD Monitor	9WF30AA
HP V24 FHD Monitor	9WF31AA
HP V241ib FHD Monitor	453D6AA
HP V24e FHD Monitor	28N17AA
HP V24i FHD Monitor	9RV15AA
HP V24i FHD Monitor	9RV16AA
HP V24i FHD Monitor	9RV17AA
HP V24i FHD Monitor	9RV17AS
HP V27e FHD Monitor	28N20AA

HP V27i FHD Monitor	1K3W7AA
HP V27i FHD Monitor	9SV92AA
HP V27i FHD Monitor	9SV93AA
HP V27i FHD Monitor	9SV94AA
HP V27i FHD Monitor	9SV94AS
HP X24i Gaming Monitor	2W922AA
HP X24ih Gaming Monitor	13L82AA
HP X24ih Gaming Monitor	2W924AA
HP X24ih Gaming Monitor	2W925AA
HP X27 FHD Gaming Monitor	2V6B2AA
HP X27 FHD Gaming Monitor	2V6B4E9
HP X27c FHD Gaming Monitor	32G11AA
HP X27c FHD Gaming Monitor	32G12AA
HP X27c FHD Gaming Monitor	32G13AA
HP X27c FHD Gaming Monitor	32G13AS
HP X27c FHD Gaming Monitor	32G13E9
HP X27q QHD Gaming Monitor	2V7U3AA
HP X27q QHD Gaming Monitor	2V7U5E9
HP X27qc QHD Gaming Monitor	32H00AA
HP X27qc QHD Gaming Monitor	32H01AA
HP X27qc QHD Gaming Monitor	32H02AA
HP X27qc QHD Gaming Monitor	32H02AS
HP X27qc QHD Gaming Monitor	32H02E9
HP X32 QHD Gaming Monitor	2V7V2AA
HP X32 QHD Gaming Monitor	2V7V3AA
HP X32 QHD Gaming Monitor	2V7V4AA
HP X32 QHD Gaming Monitor	2V7V4AS
HP X32 QHD Gaming Monitor	2V7V4E9
HP X32c FHD Gaming Monitor	33K29AA
HP X32c FHD Gaming Monitor	33K30AA
HP X32c FHD Gaming Monitor	33K31AA
HP X32c FHD Gaming Monitor	33K31AS
HP X32c FHD Gaming Monitor	33K31E9
HP X34 WQHD Gaming Monitor	2V7W4AA
HP X34 WQHD Gaming Monitor	2V7W5AA
HP X34 WQHD Gaming Monitor	2V7W6AA

HP X34 WQHD Gaming Monitor	2V7W6AS
HP X34 WQHD Gaming Monitor	2V7W6E9

Pavilion Displays

HP Pavilion 22cwa 21.5-inch IPS LED Backlit Monitor	T4Q59AA
HP Pavilion 27xw 27-inch IPS LED Backlit Monitor	V0N26AA

OMEN by HP Displays

OMEN 25i Gaming FHD Monitor	22J05AA
OMEN 25i Gaming FHD Monitor	22J05AS
OMEN 25i Gaming FHD Monitor	22J05E9
OMEN 27i Monitor	8AC94AA
OMEN 27i Monitor	8AC94AS
OMEN 27i Monitor	8AC95AA
OMEN X 25f 240Hz Gaming Display	4WH47AA
OMEN X 25f 240Hz Gaming Display	4WH48AA
OMEN X 27 240Hz Gaming Monitor	6FN07AA
OMEN X 27 240Hz Gaming Monitor	6FN07AS
OMEN X 27 240Hz Gaming Monitor	6FN08AA
OMEN by HP 25 Display	Z7Y57AA
OMEN by HP 25 Display	Z7Y57AS

HyperX Gaming Peripherals

HyperX Gaming Keyboards

★ : Recommended

HyperX Alloy Core Keyboards SC

HyperX Alloy Core RGB - Gaming Keyboard (US Layout)	4P4F5AA

HyperX Alloy Origins Keyboards SC

HyperX Alloy Origins - Mechanical Gaming Keyboard - HX Red (US Layout)	4P4F6AA

HyperX Gaming Headsets

HyperX Cloud Alpha Headsets SC

HyperX Cloud Alpha S - Gaming Headset (Black)	4P5L2AA

HyperX Cloud Headsets SC

HyperX Cloud Core + 7.1 - Gaming Headset (Black)	4P4F2AA

HyperX Cloud Flight Headsets SC

HyperX Cloud Flight - Wireless Gaming Headset (Black-Red)	4P5L4A6

HyperX Cloud MIX Headsets SC

HyperX Cloud MIX - Gaming Headset (Black-Gunmetal)	4P5K9AA

HyperX Cloud Revolver Headsets SC

HyperX Cloud Revolver - Gaming Headset + 7.1 (Gunmetal)	4P5K5AA

HyperX Cloud Stinger Headsets SC

HyperX Cloud Stinger Core - Gaming Headset (Black)	4P4F4AA
HyperX Cloud Stinger S - Gaming Headset (Black)	4P4F1AA

HyperX Gaming Mouse Pads

HyperX FURY Mouse Pads SC

HyperX FURY S - Gaming Mouse Pad - Cloth (L)	4P4F9AA

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