



HP Laptop 15-dy2046nr (50V75UA)



Overview

Do more from anywhere. All-day long.

Stay connected to what matters most with long-lasting battery life and a thin and portable, micro-edge bezel design. Built to keep you productive and entertained from anywhere, the HP 15" diagonal laptop features reliable performance and an expansive display - letting you stream, surf and speed through tasks.



Take it anywhere. See more.

See more of your screen on the 6.5 mm micro-edge bezel display. A thin and light design makes it easy to take this PC anywhere.



Powered up and productive. All day long.

Long-lasting battery life and HP Fast Charge technology lets you work, watch, and stay connected all day. Integrated precision touchpad with multi-touch support speeds up navigation and productivity.



Reliable performance for every day

Tackle your busiest days with the performance of an Intel® processor. Save more of what you love with abundant storage for all your photos, videos and documents.

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.^[1]



PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 256 GB PCIe SSD storage.



MU-MIMO supported

If you have several MU-MIMO devices in your home, MU-MIMO support works in combination with a MU-MIMO router to maximize network traffic for a smoother online experience.



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.^[2]



Wi-Fi 5 (1x1) & Bluetooth® 4.2 (802.11a/b/g/n/ac)

Stay connected to Wi-Fi and to Bluetooth® accessories with wireless technology.^[3]



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.

[1] 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>.

[2] 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.

[3] Wireless access point and Internet service required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the laptop to communicate with other 802.11ac WLAN devices. Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11ac) is backwards compatible with prior Wi-Fi 5 specs.

Specifications

Operating system	Windows 11 Home
Product color	Natural silver
Processor family	11th Generation Intel® Core™ i3 processor
Processor	Intel® Core™ i3-1115G4 (up to 4.1 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 2 cores, 4 threads) ^[6,7]
Chipset	Intel® Integrated SoC
Memory	8 GB DDR4-2666 MHz RAM (2 x 4 GB)
Internal Storage	256 GB PCIe® NVMe™ M.2 SSD
Product design	Paint finish cover and base, vertical brushed In-mould roll keyboard frame
Optical drive	Optical drive not included
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics
Display	15.6" diagonal, HD (1366 x 768), touch, micro-edge, BrightView, 220 nits, 45% NTSC
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio	Dual speakers
Minimum dimensions (W x D x H)	35.85 x 24.2 x 1.79 cm (Dimensions vary by configuration)
Minimum dimensions (W x D x H)	14.11 x 9.53 x 0.71 in
Weight	1.69 kg (Weight varies by configuration)
Weight	3.75 lb
Keyboard	Full-size, natural silver keyboard with numeric keypad
Pointing device	HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Webcam	HP True Vision 720p HD camera with integrated dual array digital microphones
Ports	1 SuperSpeed USB Type-C® 5Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 1.4b; 1 AC smart pin; 1 headphone/microphone combo
Expansion slots	1 multi-format SD media card reader
Package dimensions (W x D x H)	30.5 x 52 x 6.9 cm
Package weight	2.2 kg
Wireless	Realtek RTL8821CE-M 802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 combo
Power supply type	45 W Smart AC power adapter

Battery type	3-cell, 41 Wh Li-ion
Battery life	Up to 8 hours and 30 minutes ^[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes ^[5]
Battery weight	0.46 lb
Battery weight	210 g
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
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	196188671054

Additional specifications

Additional information about HP	http://www.hp.com
Battery capacity	41
Battery capacity uom	Wh
Battery cells number	3
Battery life	Long Life
Battery life video playback	Up to 11 hours
Battery type	Li-ion
Bluetooth version	Bluetooth® 4.2
Brightness	220 nits
Camera brand	HP True Vision
Camera microphone	integrated dual array digital microphones
Camera resolution (vertical)	720p
Camera resolution standard	HD
Color	Natural silver
Color gamut	45% NTSC
Display	15.6" diagonal HD touch display
Display bezel	micro-edge
Display brightness	220
Display brightness uom	nits
Display resolution (pixels)	1366 x 768
Display resolution standard	HD
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	BrightView
Display touchscreen type	touch screen
ECC memory	non-ECC
Fingerprint reader	Fingerprint reader not available
Keyboard color	natural silver
Keyboard keypad	numeric keypad
Keyboard size	Full-size
Legal tagline	HP recommends Windows 10 Pro.

MDA key selling point	Windows 10 Home or other operating systems available
Memory and storage	8 GB memory; 256 GB SSD storage
Memory layout (slots & size)	2 x 4 GB
Memory module type	DIMM
Memory size	8
Memory size uom	GB
Memory speed	2666
Memory speed uom	MHz
Memory type	DDR4
Number of User-accessible Memory Slots	0
Number of memory slots	2
Package depth, imperial (most common size)	20.47
Package depth, metric (most common size)	52
Package dimensions (W x D x H)	12 x 20.47 x 2.71 in
Package height, imperial (most common size)	12
Package height, metric (most common size)	30.5
Package weight	4.87 lb
Package width, imperial (most common size)	2.71
Packaging unit of measure (imperial)	in
Packaging unit of measure (metric)	cm
Processor Brand	Intel®
Processor base frequency	3.0
Processor base frequency uom	GHz
Processor cache	6 MB L3
Processor core	4
Processor family	Core™ i3
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	11th Generation
Processor maximum frequency	4.1
Processor maximum frequency uom	GHz

Processor model	1115G4
Processor threads	2
Product brand name	HP
Product long name specifications	HP Laptop 15-dy2046nr, 15.6", touch screen, Windows 11 Home, Intel® Core™ i3, 8GB RAM, 256GB SSD, HD, Natural silver
Storage capacity 01	256
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	Yes
UNSPSC code	43211503
Wireless Model	RTL8821CE-M
Wireless antenna	1x1
Wireless standard	802.11a/b/g/n/ac
Wireless supplier	Realtek

[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.

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

HP Care Pack Services

★ : Recommended

Personal Systems Consumer Care Pack Services

HP 2 year Pickup and Return Support w/Accidental Damage Protection for HP 15 17 / Pav 10 NB	U9ED4A ★
HP 2 year Pickup and Return Support w/Accidental Damage Protection for HP 15 17 / Pav 10 NB	U9ED4E ★
HP 3 year Pickup and Return Support HP 15 17 / Pav 10 NB	U9ED5A ★
HP 3 year Pickup and Return Support HP 15 17 / Pav 10 NB	U9ED5E ★
HP 1 year Post Warranty Pickup and Return Notebook Service	U1PT3PE
HP 1 year Post Warranty Pickup and Return for HP Chrome and Stream Notebook Service	U1PT3PA
HP 1 year Premium Service w/Accident Damage Protection Pickup Return SmartFriend Select Notebooks	HL500E
HP 2 Year Pickup and Return and 2-incident SmartFriend Service for Consumer Notebook	UN030E
HP 2 year Accidental Damage Protection w/Pickup and Return Service and LoJack for Consumer Notebook	U7C96E
HP 2 year Accidental Damage Protection with Pickup Return Service for Consumer Notebook	U7C92A
HP 2 year Pickup and Return Notebook Service	UM959E
HP 2 year Pickup and Return Support for HP 15 17 / Pav 10 NB	U9ED3A
HP 2 year Pickup and Return Support for HP 15 17 / Pav 10 NB	U9ED3E
HP 3 year Accidental Damage Protection w/Pickup and Return Service and LoJack for Consumer Notebook	U7C97E
HP 3 year Accidental Damage Protection with Pickup Return Service for Consumer Notebook	U7C93E
HP 3 year Pickup and Return Support w/Accidental Damage Protection HP 15 17 / Pav 10 NB	U9ED6A
HP 3 year Pickup and Return Support w/Accidental Damage Protection HP 15 17 / Pav 10 NB	U9ED6E
HP 6 month SmartFriend Service	UC5Y5E
HP PC Tune-up Service with 24x7 Support for Consumer Desktop and Notebook	UD932A

Monitors

HP Home Monitors

★ : Recommended

HP Value Displays

HP 27mq 27-inch Display	1F2J9AA ★	
HP 22f 22-inch Display	2XN58AA	
HP 24f 24-inch Display	2XN60AA	
HP 24f 24-inch Display	9TH23AA	
HP 24fw with Audio 24-inch Display	4TB29AA	
HP 27 Curved Display	Z4N74AA	
HP 27er 27-inch Display	T3M88AA	
HP 27f 27-inch Display	2XN62AA	
HP 27fh 27-inch Display	4HZ38AA	
HP 27fw with Audio 27-inch Display	4TB31AA	
HP 27mx 27-inch Display	4KK74AA	
HP 32f Display	6XJ00AA	
HP 34f 34-inch Curved Display	6JM50AA	obsolete
HP M22f FHD Monitor	2D9J9AA	
HP M24f FHD Monitor	2D9K0AA	
HP M24fw FHD Monitor	2D9K1AA	
HP M24fwa FHD Monitor	34Y22AA	
HP M27f FHD Monitor	2G3D3AA	
HP M27fq QHD Monitor	2H4B5AA	
HP M27fw FHD Monitor	2H1A4AA	
HP M27fwa FHD Monitor	356D5AA	
HP M32f FHD Monitor	2H5M7AA	
HP V28 4K Monitor	8WH57AA	
HP X24c Gaming Monitor	9EK40AA	
HP X27i 2K Gaming Monitor	8AG16AA	

HP Home Monitors

HP V27i FHD Monitor	9SV92AA ★	
HP V24i FHD Monitor	9RV15AA ★	
HP M27ha FHD Monitor	22H94AA	
HP U27 4K Wireless Monitor	9TQ11AA	

HP U27 4K Wireless Monitor	9TQ13AA
HP U28 4K HDR Monitor	1Z978AA
HP V20 HD+ Monitor	1H848AA
HP V21 FHD Monitor	9TN57AA
HP V22 FHD Monitor	9SV78AA
HP V22v FHD Monitor	450M3AA
HP V24 FHD Monitor	9SV71AA
HP X24i Gaming Monitor	2W922AA
HP X27 FHD Gaming Monitor	2V6B2AA
HP X27q QHD Gaming Monitor	2V7U3AA
HP X32 QHD Gaming Monitor	2V7V2AA
HP X34 WQHD Gaming Monitor	2V7W4AA

OMEN by HP Displays

OMEN 25i Gaming FHD Monitor	22J05AA
OMEN 27i Monitor	8AC94AA
OMEN X 25f 240Hz Gaming Display	4WH47AA
OMEN X 27 240Hz Gaming Monitor	6FN07AA

Keyboards/Mice and Input Devices

★ : Recommended

Keyboard and Mouse Kits

HP Pavilion Keyboard and Mouse 200	9DF28AA ★
HP Wireless Keyboard and Mouse 300	3ML04AA

Mice

HP Wireless Mouse 220	3FV66AA ★	
HP Wireless Mouse 200	X6W31AA ★	
HP 280 Silent Wireless Mouse	19U64AA	
HP 930 Creator Wireless Mouse	1D0K9AA	
HP Bluetooth Travel Mouse	6SP25AA	
HP Dual Mode Mouse	6CR71AA	
HP Elite Presenter Mouse	3YF38AA	obsolete
HP Pavilion Gaming Mouse 200	5JS07AA	
HP Pavilion Gaming Mouse 300	4PH30AA	
HP Spectre Rechargeable Mouse 700	3NZ70AA	obsolete
HP Spectre Rechargeable Mouse 700	3NZ71AA	obsolete
HP Spectre Rechargeable Mouse 700	4YH34AA	obsolete
HP Wired Mouse 1000	4QM14AA	
HP Wireless Mouse Z3700	4VY82AA	
HP Wireless Mouse Z3700	7UH87AA	
HP Wireless Mouse Z3700	7UH88AA	
HP X3000 G2 Wireless Mouse	28Y30AA	
HP X3000 G2 Wireless Mouse	2C3M3AA	
HP X500 Wired Mouse	E5E76AA	
HP Z3700 Black Wireless Mouse	26V63AA	
HP Z3700 Black Wireless Mouse	V0L79AA	
HP Z3700 Camo Wireless Mouse	171D7AA	
OMEN Vector Essential Mouse	8BC52AA	
OMEN Vector Mouse	8BC53AA	
OMEN Vector Wireless Mouse	2B349AA	
OMEN by HP Photon Wireless Mouse	6CL96AA	

Keyboards

HP Keyboard 100	2UN30AA
HP Pavilion Gaming Keyboard 800	5JS06AA
OMEN Spacer Wireless TKL Keyboard	9BU31AA
OMEN by HP Encoder Keyboard	6YW75AA
OMEN by HP Encoder Keyboard	6YW76AA

Cases and Covers

Covers

HP 14 Reversible Protective Sleeve	7GD78AA	obsolete
HP 15 Reversible Protective Sleeve	7KX13AA	obsolete
HP 15 Reversible Protective Sleeve	7KX15AA	obsolete
HP 15 Reversible Protective Sleeve	7KX16AA	obsolete
HP Carry Sleeve 15	9GF67AA	
HP Envy Urban 15.6 Sleeve	7XG60AA	
HP Lightweight 15.6 Laptop Sleeve	1G6D6AA	

Backpacks

HP Commuter Backpack	5EE91AA	
HP Pavilion Gaming Backpack 300	6EU56AA	
HP Pavilion Gaming Backpack 400	6EU57AA	
HP Pavilion Tech Backpack	5EE99AA	obsolete
HP Renew Backpack	1A211AA	
HP Renew Backpack	1A212AA	
HP Renew Travel 15.6-inch Backpack	2Z8A3AA	
OMEN Transceptor 15 Backpack	7MT84AA	
OMEN Transceptor 15 Rolltop Backpack	7MT83AA	
OMEN by HP Gaming Backpack	4YJ80AA	

Cases

HP Renew Slim Briefcase	1A214AA
HP Renew Slim Briefcase	1A215AA
HP Renew Topload	1A213AA
HP Renew Topload	1A218AA
HP Renew Travel 15.6-inch Laptop Bag	2Z8A4AA
OMEN Transceptor 17 Duffel Bag	7MT82AA

Networking Products

Switches/Hubs/Routers/Converters/Repeaters

HP ENVY USB-C Hub	5LX63AA
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Audio/Multimedia and Communication Devices

Speakers

HP Gaming Speakers X1000	8PB07AA
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Headsets

HP Pavilion Gaming Headset 400	4BX31AA
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HP Stereo 3.5mm Headset G2	428K7AA
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HP Stereo 3.5mm Headset G2	428K7UT
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HP Stereo USB Headset G2	428K6AA
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HP Stereo USB Headset G2	428K6UT
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HP X1000 Wireless Gaming Headset	7HC43AA
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OMEN Blast Headset	1A858AA
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Batteries/Chargers/Adapters

AC Adapters

HP Travel Power Adapter 65W	1MY05AA
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Docking and Port Replicators

Docking Stations

HP Travel USB-C Multi Port Hub	1C1Y5AA
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HP USB-C Travel Hub G2	235N8AA
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All other trademarks are the property of their respective owners.

Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows functionality.
See <http://www.microsoft.com>.

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