



HP Laptop 15-dw1219ng (3A0A8EA)

Overview



Do more of what you love. All-day long.

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



See more. Take it anywhere.

With its 6.5 mm micro-edge bezel display, slim and light design, plus 81% screen to body ratio[1] – this PC lets you see more and do more, no matter where the day takes you.



Powered up and productive. All day long.

With long-lasting battery life and HP Fast Charge technology, this laptop lets you work, watch, and stay connected. Integrated precision touchpad with multi-touch support speeds up both navigation and productivity.



Reliable performance for every day

Tackle your busiest days with the performance of an Intel® processor and advanced graphics. Store more of what you love with abundant storage.

Features



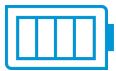
Windows 10

Do great things confidently with the familiar feel of Windows - only better.^[2]



Full HD display

Sit back and enjoy crystal-clear visuals and images with the vibrant quality of 2 million pixels. The 1920 x 1080 resolution gives all your digital content a new dimension.^[4]



Liberating battery life

Take on your day without worrying about recharging. With up to 10 hours and 15 minutes battery life, you can work, watch more, and spend more of your time totally untethered.^[5]



Dual-core Intel® Pentium® Gold processor

The perfect combination of performance, power consumption, and value helps your device run smoothly and reliably with two processing cores to handle all your tasks.^[3]



Anti-glare panel

Enjoy the sun and your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare while you're outside.



PCIe SSD storage

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

[1] Screen is measured by active screen area.

[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 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>.

[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, branding and/or naming is not a measurement of higher performance. Internet service required and not included. 4K content required to view full 4K images. Graphics output may be limited based on the maximum resolution of the display.

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

[5] 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-2014/> for additional details.

Specifications

Operating system	Windows 10 Home 64
Product color	Natural silver
Processor family	Intel® Pentium® Gold processor
Processor	Intel® Pentium® Gold 6405U (2.4 GHz base frequency, 2 MB L3 cache, 2 cores) ^[6]
Chipset	Intel® Integrated SoC
Memory	8 GB DDR4-2400 MHz RAM (1 x 8 GB)
Internal Storage	256 GB PCIe® NVMe™ M.2 SSD
Product design	Paint cover and base finish, vertical brushing pattern with IMR cover and keyboard frame
Optical drive	Optical drive not included
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), micro-edge, anti-glare, 220 nits, 45% NTSC
Display size (diagonal)	39.6 cm (15.6")
Audio features	Dual speakers
Minimum dimensions (W x D x H)	35.85 x 24.2 x 1.99 cm (Dimensions vary by configuration)
Weight	Starting at 1.75 kg (Weight varies by configuration)
Keyboard	Full-size, natural silver keyboard with numeric keypad
Pointing device	Touchpad 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 RJ-45; 1 AC smart pin; 1 headphone/microphone combo
Expansion slots	1 multi-format SD media card reader
Package dimensions (W x D x H)	6.9 x 52 x 30.5 cm
Package weight	2.53 kg
Network interface	Integrated 10/100/1000 GbE LAN
Wireless	Realtek RTL8821CE 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 10 hours and 15 minutes ^[3]

Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes ^[5]
Battery weight	210 g
Ecolabels	ENERGY STAR® certified; EPEAT® Silver registered
Pre-installed software	Alexa
Software included	McAfee LiveSafe™
Software - Productivity & finance	1 month trial for new Microsoft 365 customers ^[24]
Cloud service	Dropbox ^[1]
UPC number	195908188384
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.

Additional specifications

Additional information about HP	http://www.hp.com
Battery capacity	41
Battery capacity uom	Wh
Battery cells number	3
Battery life video playback	Up to 8 hours and 30 minutes
Battery type	Li-ion
Bluetooth version	Bluetooth® 4.2
Brightness	220 nits
Color	Natural silver
Color gamut	45% NTSC
Datasheet photo 1	AHID/132121626dc58e53b93fa70c609e02bf35593e80
Datasheet photo 2	AHID/e91dde8c21e36ec86bc68747d74c7e08cb4995c2
Datasheet photo 3	AHID/b486882aa7422c2d1058f0079254bdd7ee918bb2
Datasheet photo 4	AHID/517b58b216899a550b72f1f9849a6a1f1f0522e6
Datasheet photo 5	Publication logos/HP_Care_Pack_RGB_blue_NT.jpg
Display	39.6 cm (15.6") diagonal FHD display
Display bezel	micro-edge
Display brightness	220
Display brightness uom	nits
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	No
Fingerprint reader	Fingerprint reader not available
HP apps	HP 3D DriveGuard; HP Audio Switch; HP CoolSense; HP JumpStart; HP Support Assistant
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)	1 x 8 GB

Memory module type	DIMM
Memory size	8
Memory size uom	GB
Memory speed	2400
Memory speed uom	MHz
Memory type	DDR4
Number of User-accessible Memory Slots	0
Number of memory slots	1
Package depth, imperial (most common size)	20.47
Package depth, imperial (smallest possible size)	19.01
Package depth, metric (most common size)	52
Package depth, metric (smallest possible size)	48.3
Package height, imperial (most common size)	12
Package height, imperial (smallest possible size)	12
Package height, metric (most common size)	30.5
Package height, metric (smallest possible size)	30.5
Package width, imperial (most common size)	2.71
Package width, imperial (smallest possible size)	2.71
Package width, metric (most common size)	6.9
Package width, metric (smallest possible size)	6.9
Packaging unit of measure (imperial)	in
Packaging unit of measure (metric)	cm
Processor Brand	Intel®
Processor base frequency	2.4
Processor base frequency uom	GHz
Processor cache	2 MB L3
Processor core	2

Processor family	Pentium® Gold
Processor model	6405U
Processor threads	4
Product brand name	HP
Product language options	#ABD
Service description	3-year pickup and return
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
Technology logo, print 3	Publication logos/EPEAT_silver_3C11.jpg
Technology logo, print 4	Publication logos/energy_star_logo.jpg
Technology logo, print 6	Publication logos/mcafee_logo_with_tag_new.jpg
Touchscreen	No
Wireless Model	RTL8821CE
Wireless antenna	1x1
Wireless standard	802.11a/b/g/n/ac
Wireless supplier	Realtek

[1] New Dropbox users are eligible to get 25 GB of Dropbox space free 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 10 MobileMark 14 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-2014/> 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.

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

Monitors

HP Home Monitors

★ : Recommended

HP Value Displays

HP 27mq Display	1F2J9AA ★	
HP 22f Display	2XN58AA	
HP 22fw Display	3KS60AA	
HP 22m Display	3WL44AA	
HP 22x Gaming Display	6ML40AA	
HP 24f Display	2XN60AA	
HP 24fh Display	4HZ37AA	
HP 24fh Display	5JB78AA	
HP 24fw 24-inch Display	5VU10AA	
HP 24fw 24-inch Display	6NB66AA	
HP 24fw Display	3KS62AA	
HP 24fw with Audio Display	4TB29AA	
HP 24m Display	3WL46AA	
HP 24mq Display	1F2J8AA	
HP 24x Gaming Display	5ZU98AA	obsolete
HP 25mx Display	4JF31AA	
HP 25x Display	3WL50AA	
HP 27f 27-inch 4K Display	5ZP65AA	
HP 27fh Display	4HZ38AA	
HP 27fh Display	5JB79AA	obsolete
HP 27fw 27-inch Display	3MP91AA	
HP 27fw 27-inch Display	6NB70AA	
HP 27fw Display	3KS64AA	
HP 27fw with Audio Display	4TB31AA	
HP 27m Display	3WL48AA	
HP 27mx Display	4KK74AA	
HP 27wm LED Backlit Monitor	V9D84AA	obsolete
HP 27xq Display	3WL54AA	
HP 32 Display	2FW77AA	
HP 32f Display	6XJ00AA	

HP 32s Display	2UD96AA
HP 34f Curved Display	6JM50AA
HP V28 4K Monitor	8WH58AA
HP V28 4K Monitor	8WH58AS
HP X24c Gaming Monitor	9FM22AA
HP X24c Gaming Monitor	9FM22AS
HP X27i 2K Gaming Monitor	8GC08AA

HP Home LCD Monitors

HP V27i FHD Monitor	9SV94AA ★
HP V24i FHD Monitor	9RV17AA ★
HP U27 4K Wireless Monitor	9TQ13AA
HP U27 4K Wireless Monitor	9TQ13AS
HP U28 4K HDR Monitor	1Z980AA
HP V20 HD+ Monitor	1H850AA
HP V20 HD+ Monitor	1H850AS
HP V22 FHD Monitor	9SV80AA
HP V22 FHD Monitor	9SV80AS
HP V22e FHD Monitor	28N41AA
HP V24 FHD Monitor	9SV73AA
HP V24 FHD Monitor	9WF30AA
HP V24 FHD Monitor	9WF31AA
HP V24e FHD Monitor	28N17AA
HP V24i FHD Monitor	9RV17AS
HP V27e FHD Monitor	28N20AA
HP V27i FHD Monitor	1K3W7AA
HP V27i FHD Monitor	9SV94AS
HP X24ih Gaming Monitor	2W925AA

Pavilion Displays

HP Pavilion 27 Quantum Dot Display	5DQ99AA	
HP Pavilion 32 QHD Display	4WH45AA	obsolete

OMEN by HP Displays

OMEN 27i IPS 165Hz 2k Gaming Monitor	8AC94AA
OMEN X 25 240Hz Gaming Display with Nvidia G-SYNC	4NK94AA

OMEN X 25f 240Hz Gaming Display with Adaptive Sync	4WH47AA
OMEN X 27 HDR QHD 240Hz Gaming Monitor	6FN07AA
OMEN by HP 25 Display	Z7Y57AA

Keyboards/Mice and Input Devices

★ : Recommended

Mice

HP Pavilion Gaming Mouse Pad 400	5JH72AA ★
HP Dual Mode Black Mouse 300	6CR71AA ★
HP Pavilion Gaming Mouse Pad 300	4PZ84AA ★
HP Wireless Mouse 220	258A1AA ★
HP Wireless Mouse 220	3FV66AA ★
HP Wireless Mouse 200	X6W31AA ★
OMEN by HP Mouse Pad 300	1MY15AA ★
HP Bluetooth Travel Mouse	6SP25AA
HP Bluetooth® Mouse Z5000	2HW67AA
HP Bluetooth® Mouse Z5000	E5C13AA
HP ENVY Rechargeable Mouse 500	2LX92AA
HP Elite Presenter Mouse	3YF38AA
HP Pavilion Gaming Mouse 200	5JS07AA
HP Pavilion Gaming Mouse 300	4PH30AA
HP Silver 930 Creator Wireless Mouse	1D0K9AA
HP Spectre Rechargeable Mouse 700	4YH34AA
HP Spectre Rechargeable Mouse 700 (Luxe Cooper)	3NZ70AA
HP Spectre Rechargeable Mouse 700 (Turbo Silver)	3NZ71AA
HP Wired Mouse 100	6VY96AA
HP Wired Mouse 1000	4QM14AA
HP Wireless Mouse 200 (Empress Red)	2HU82AA
HP Wireless Mouse 200 (Pike Silver)	2HU84AA
HP Wireless Mouse 200 (Silk Gold)	2HU83AA
HP Wireless Mouse 220 (Lumiere Blue)	7KX11AA
HP Wireless Mouse 220 (Snow White)	7KX12AA
HP Wireless Mouse 220 (Sunset Red)	7KX10AA
HP Wireless Mouse 250	3FV67AA
HP Wireless Mouse X200	6VY95AA
HP Wireless Mouse Z3700	7UH88AA
HP Wireless Mouse Z3700 - White/Pink	4VY82AA

HP Wireless Mouse Z4000	H5N61AA
HP Wireless Silent 280M Mouse	19U64AA
HP X1500 Mouse	H4K66AA
HP X220 Backlit Gaming Mouse	8DX48AA
HP X4500 Wireless (Black) Mouse	H2W16AA
HP X500 Wired Mouse	E5E76AA
HP Z3700 Black Wireless Mouse	26V63AA
HP Z3700 Black Wireless Mouse	V0L79AA
HP Z3700 Blue Wireless Mouse	V0L81AA
HP Z3700 Ceramic White Wireless Mouse	171D8AA
HP Z3700 Forest Teal Wireless Mouse	171D9AA
HP Z3700 Gold Wireless Mouse	X7Q43AA
HP Z3700 Red Wireless Mouse	V0L82AA
HP Z3700 Silver Wireless Mouse	X7Q44AA
HP Z3700 White Wireless Mouse	V0L80AA
HP Z5000 Dark Ash Silver Wireless Mouse	W2Q00AA
OMEN Vector Essential Mouse	8BC52AA
OMEN Vector Mouse	8BC53AA
OMEN Vector Wireless Mouse	2B349AA
OMEN by HP Photon Wireless Mouse	6CL96AA
OMEN by HP Reactor Mouse	2VP02AA

Keyboard and Mouse Kits

HP Pavilion Wireless Keyboard and Mouse 800 (Black)	4CE99AA ★
HP Pavilion Keyboard and Mouse 200	9DF28AA ★
HP Wired Keyboard and Mouse 160	6HD76AA ★
HP 230 Wireless Mouse and Keyboard Combo	18H24AA
HP Pavilion Wired Keyboard and Mouse 400	4CE97AA
HP Pavilion Wireless Keyboard and Mouse 800	4CF00AA
HP Wireless Keyboard and Mouse 300	3ML04AA

Keyboards

HP K2500 Wireless Keyboard	E5E78AA
HP Keyboard 100	2UN30AA
HP Pavilion Gaming Keyboard 550	9LY71AA
HP Pavilion Gaming Keyboard 800	5JS06AA

HP Pavilion Wired Keyboard 300	4CE96AA
HP Pavilion Wireless Keyboard 600 Black	4CE98AA
HP Pavilion Wireless Keyboard 600 White	4CF02AA
OMEN Spacer Wireless TKL Keyboard	9BU31AA
OMEN by HP Encoder Keyboard	6YW75AA
OMEN by HP Encoder Keyboard	6YW76AA
OMEN by HP Sequencer Keyboard	2VN99AA

Cases and Covers

Backpacks

HP Renew 15 Grey Backpack	1A211AA ★	
HP Commuter Backpack (Black)	5EE91AA ★	
HP 15.6 in Value Backpack	K0B39AA	
HP 15.6 in Value Topload Case	K0B38AA	
HP 17.3 in OMEN Gaming Backpack	K5Q03AA	
HP 39.62 cm (15.6") Active Backpack (Black/Mint Green)	1LU22AA	
HP 39.62 cm (15.6") Active Backpack (Grey/Neon Yellow)	1LU23AA	
HP 39.62 cm (15.6") Black Odyssey Backpack	L8J88AA	
HP 39.62 cm (15.6") Gray Odyssey Backpack	L8J89AA	
HP 39.62 cm (15.6") Pavilion Accent Backpack Black/Gold	4QF96AA	
HP 39.62 cm (15.6") Pavilion Accent Backpack Black/Silver	4QF97AA	
HP 39.62 cm(15.6") Classic Backpack	1FK05AA	
HP ENVY Urban 14 Sleeve	7XG59AA	
HP ENVY Urban 14 Tote	7XG58AA	
HP ENVY Urban 15 Backpack	7XG56AA	
HP ENVY Urban 15 Topload Black	7XG57AA	
HP ENVY Urban 35.56 cm (14") Sleeve	3KJ71AA	
HP ENVY Urban 39.62 cm (15.6") Backpack	3KJ72AA	
HP ENVY Urban 39.62 cm (15.6") Briefcase	3KJ73AA	
HP Lightweight 15.6 Laptop Backpack	1G6D3AA	
HP Pavilion Gaming Backpack 400	6EU57AA	obsolete
HP Pavilion Gaming Backpack 500	6EU58AA	
HP Renew 15 Navy Backpack	1A212AA	
HP Spectre Folio Backpack	8GF06AA	
OMEN Transceptor 15 Backpack	7MT84AA	

Covers

HP 15.6 Sleeve	14V33AA ★
HP 35.56 cm (14") Neoprene Reversible Sleeve	2TX16AA ★
HP 14 Sleeve	14V32AA
HP 35.56 cm (14") Black/Blue Neoprene Sleeve	V5C27AA
HP 35.56 cm (14") Black/Red Neoprene Sleeve	V5C26AA
HP 35.56 cm (14") Carry Sleeve Black/Gold	3XD33AA
HP 35.56 cm (14") Carry Sleeve Black/Silver	3XD34AA
HP 35.56 cm (14") Neoprene Reversible Sleeve (Black/Gold)	2UF59AA
HP 35.56 cm (14") Neoprene Reversible Sleeve (Black/Silver)	2UF61AA
HP 39.62 cm (15.6") Black/Blue Neoprene Sleeve	V5C31AA
HP 39.62 cm (15.6") Black/Red Neoprene Sleeve	V5C30AA
HP 39.62 cm (15.6") Carry Sleeve Black/Gold	3XD35AA
HP 39.62 cm (15.6") Carry Sleeve Black/Silver	3XD36AA
HP 39.62 cm (15.6") Neoprene Reversible Sleeve	2TX17AA
HP 39.62 cm (15.6") Neoprene Reversible Sleeve (Black/Gold)	2UF60AA
HP 39.62 cm (15.6") Neoprene Reversible Sleeve (Black/Silver)	2UF62AA
HP ENVY Urban 39.62 cm (15.6") Sleeve	3KJ70AA
HP Envy Urban 15.6 Sleeve	7XG60AA
HP Lightweight 15.6 Laptop Sleeve	1G6D6AA
HP Renew 14 Laptop Sleeve	2E6U9AA
HP Renew 14 Laptop Sleeve	2E6V0AA
OMEN Transceptor 15 Sleeve	3J044AA

Cases

HP 15.6 SMB Topload Case	T0F83AA
HP 35.5 cm (14") Signature Slim Topload	L6V67AA
HP 39.62 cm (15.6") Focus Topload	T9B50AA
HP 39.62 cm (15.6") SMB Backpack Case	T0F84AA
HP 39.62 cm (15.6") Signature Slim Topload Case	L6V68AA
HP 39.62 cm(15.6") Classic Briefcase	1FK07AA
HP 39.62 cm(15.6") Pavilion Accent Black/Gold	4QF94AA
HP 39.62 cm(15.6") Pavilion Accent Black/Silver	4QF95AA
HP 43.94 cm (17.3") Signature Slim Topload Case	T0E19AA

HP 43.94 cm (17.3") Value Topload Case	TOE18AA
HP Lightweight 15.6 Laptop Bag	1G6D5AA
HP Renew 14 Grey Slim Briefcase	1A214AA
HP Renew 14 Grey Tote	1A216AA
HP Renew 14 Navy Slim Briefcase	1A215AA
HP Renew 14 Navy Tote	1A217AA
HP Renew 15 Grey Topload	1A213AA
HP Renew 15 Navy Topload	1A218AA
HP Spectre Folio Top Load	8GF07AA
OMEN Transceptor 17 Duffel Bag	7MT82AA

Audio/Multimedia and Communication Devices

Headsets

HP Stereo Headset H2800 (Black w. Silk Gold)	2AP94AA ★
HP Earbuds Black Headset 150	X7B04AA ★
HP X1000 Wireless Gaming Headset	7HC43AA ★
HP Bluetooth Headset 500	2J875AA
HP In-Ear Headset 150 (Marine Blue)	2AP91AA
HP Pavilion Gaming Headset 400	4BX31AA
HP Pavilion Gaming Headset 600	4BX33AA
HP X1000 Wireless Gaming Headset	7HC42AA
OMEN Blast Headset	1A858AA
OMEN by HP Headset 800	1KF76AA
OMEN by HP Mindframe Prime Headset	6MF35AA
OMEN by HP Mindframe Prime Headset	6MF36AA

Speakers

HP Black Bluetooth Speaker 350	2D802AA
HP Black Bluetooth Speaker 360	2D799AA
HP Blue Bluetooth Speaker 350	2D803AA
HP Gaming Speakers X1000	8PB07AA
HP Silver Bluetooth Speaker 350	2D804AA

Headphones

HP Wireless Earbuds G2	169H9AA
OMEN Dyad Earbuds	8JE67AA

Batteries/Chargers/Adapters

AC Adapters

HP 90W Slim AC Adapter	H6Y83AA
HP 90W Smart Power AC Adapter	W5D55AA

Graphics Cards

Graphics Connectors/Adapters

HP HDMI to VGA Cable Adapter	X1B84AA
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Docking and Port Replicators

Docking Stations

HP Travel USB-C Multi Port Hub	1C1Y5AA
HP USB-C Travel Hub G2	Z35N8AA

PC Drives and Storage

PC DVD+RW Drives

HP USB External DVDRW Drive	F6V97AA
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Cables/Cable Kits/Cable Adapters

Cable Adapters

HP USB Type-C to RJ45 Adapter	V8Y76AA
HP USB-C to RJ45 Adapter	V7W66AA
HP USB-C to USB-A Hub	Z6A00AA

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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>.

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