HP Laptop – 17-by3452ng (222C0EA)

Overview

Beautifully designed to do it all

Designed for long-lasting performance, this stylishly designed HP 43.9 cm (17.3") laptop has a long-lasting battery that keeps you connected, entertained, and productive all day. Speed through tasks, or sit back and socialize – with an Intel® processor[1] and a rich display. Do it all, all day.

Responsive and reliable performance

A laptop with the power to surf, stream,[2] and do so much more with a new generation Intel® processor[1]. Plus extensive quality testing ensures that you can keep going...and going.

Stay connected and entertained

Stay connected and entertained with a long-lasting HP fast charge battery and visually rich display. Plus, easily store and enjoy your favorite music, movies, and photos with ample storage.

Sleek. Stylish. Powerful.

A sleek and stylish design makes this eye-catching laptop easy to take anywhere. With its beautiful brushed keyboard and color-matched hinge, the smartly designed HP 43.9 cm (17.3") laptop looks as good as it performs.

Features

Windows 10

Do great things confidently with the familiar feel of Windows - only better.[3]

10th Generation Intel® Core™ processor

Experience power and responsive performance to boost your productivity. Enjoy immersive entertainment and game, stream and create content with accelerated performance.[4]

Dual storage configurations

By including both an SSD drive for the operating system and a traditional hard drive you get the benefits of both worlds—fast boot up times, snappy responsiveness, and larger storage capacity.

128 GB Solid-State Drive

Without the moving parts of a standard hard drive, solid-state drives are more efficient, reliable, and fast. Boot up in seconds, transfer files without waiting hours, and enjoy a snappier experience every time you use your PC.

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.[5]

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.

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[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.

[2] Internet service required and not included.

[3] 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.

[4] 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.

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

Specifications

Operating system	Windows 10 Home 64
Product color	Natural silver
Processor family	10th Generation Intel® Core™ i5 processor
Processor	Intel® Core™ i5-1035G1 (1.0 GHz base frequency, up to 3.6 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 4 cores)[6,7]
Chipset	Intel® Integrated SoC
Memory	12 GB DDR4-2666 SDRAM (1 x 4 GB, 1 x 8 GB)
Internal Storage	128 GB SATA 3 TLC M.2 SSD
Hard drive (2nd)	1 TB 5400 rpm SATA HDD
Product design	Paint base finish, vertical brushing pattern with IMR cover and keyboard frame
Optical drive	DVD-Writer
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics
Display	43.9 cm (17.3") diagonal, FHD (1920 x 1080), IPS, anti-glare, 300 nits, 100% sRGB
Display size (diagonal)	43.9 cm (17.3")
Audio features	Dual speakers
Minimum dimensions (W x D x H)	41.48 x 27.22 x 2.45 cm *(Dimensions vary by configuration)*
Weight	2.51 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 digital microphone
Ports	2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 USB 2.0 Type-A; 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 34.5 x 55.2 cm
Package weight	3.24 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 5 hours[3]

Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes[5]
Battery weight	210 g
Energy efficiency	ENERGY STAR® certified; EPEAT® Silver registered
Security management	Kensington Mini Security lock slot
Pre-installed software	Alexa; Netflix; ExpressVPN (30 day free trial)
Software included	McAfee LiveSafe™
Software - Productivity & finance	1 month trial for new Microsoft 365 customers[24]
Cloud service	Dropbox[1]
UPC number	195122739003
Warranty	1 year limited parts, labour, and pickup and return service
Limited warranty coverage and exceptions	You can expand the warranty coverage of your product to reach up to 3 years in total; for more information go to the "Options and accessories" web section on hp.com product pages.

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 6 hours and 30 minutes
Battery type	Li-ion
Bluetooth version	Bluetooth® 4.2
Brightness	300 nits
Color gamut	100% sRGB
Datasheet photo 1	AHID/45f52ac6a9eae5729368528e84cc8ce7189c2c77
Datasheet photo 2	AHID/61df2631d0b4fcd01fbc05c751c0d1284627cb83
Datasheet photo 3	AHID/3a42c736168ac0def47cf0a7655afbd2f83a0e41
Datasheet photo 4	AHID/1d21930095fc103ade9c428219828c8516685d45
Datasheet photo 5	Publication logos/pc-carepack-logo.jpg
Display brightness	300
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)	17,3
Display size (diagonal, metric)	43,9
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
ECC memory	No
HP apps	HP 3D DriveGuard; HP Audio Switch; HP JumpStart; HP Support Assistant
MDA key selling point	Windows 10 Home or other operating systems available
Memory and storage	12 GB memory; 1 TB HDD storage; 128 GB SSD storage
Memory layout (slots & size)	1 x 4 GB, 1 x 8 GB
Memory module type	DIMM
Memory size	12
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 (extended size)	23.54
Package depth, imperial (most common size)	21.73
Package depth, imperial (smallest possible size)	20.47
Package depth, metric (extended size)	59.8
Package depth, metric (most common size)	55.2
Package depth, metric (smallest possible size)	52
Package height, imperial (extended size)	13.58
Package height, imperial (most common size)	13.58
Package height, imperial (smallest possible size)	13.58
Package height, metric (extended size)	13.58
Package height, metric (most common size)	34.5
Package height, metric (smallest possible size)	34.5
Package width, imperial (extended size)	23.54
Package width, imperial (most common size)	2.1
Package width, imperial (smallest possible size)	2.71
Package width, metric (extended 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	1.0
Processor base frequency uom	GHz
Processor cache	6 MB L3
Processor core	4
Processor family	Core™ i5
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	10th Generation
Processor maximum frequency	3.6
Processor maximum frequency uom	GHz
Processor model	1035G1
Processor speed	1.0 GHz
Processor threads	8
Product brand name	HP
Product language options	#ABD
Service description	3-year pickup and return
Storage capacity 01	128
Storage capacity 02	1
Storage capacity uom 01	GB
Storage capacity uom 02	TB
Storage form factor 01	M.2
Storage interface 01	SATA 3
Storage interface 02	SATA
Storage memory technology 01	TLC
Storage speed 02	5400
Storage speed uom 02	rpm
Storage type	SSD; HDD
Storage type 01	SSD
Storage type 02	HDD
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 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.

Accessories

Keyboards/Mice and Input Devices

★ : Recommended

Keyboard and Mouse Kits

HP Pavilion Wireless Keyboard and Mouse 800 (Black)	**4CE99AA ★**
HP Pavilion Keyboard and Mouse 200	**9DF28AA ★**
HP Wired Combo C2500	**H3C53AA ★**
HP C2710 Combo Keyboard	M7P30AA
HP Pavilion Wired Keyboard and Mouse 400	4CE97AA
HP Pavilion Wireless Keyboard and Mouse 800	4CF00AA
HP Wireless Keyboard and Mouse 300	3ML04AA

Mice

HP Wireless Mouse 200	**X6W31AA ★**
HP Wired Mouse 1000	**4QM14AA ★**
HP Bluetooth Travel Mouse	6SP25AA
HP Bluetooth® Mouse Z5000	2HW67AA
HP Bluetooth® Mouse Z5000	E5C13AA
HP Dual Mode Black Mouse 300	6CR71AA
HP ENVY Rechargeable Mouse 500	2LX92AA
HP Elite Presenter Mouse	3YF38AA
HP Pavilion Gaming Mouse 200	5JS07AA
HP Pavilion Gaming Mouse 300	4PH30AA
HP Spectre Rechargeable Mouse 700	4YH33AA
HP Spectre Rechargeable Mouse 700	4YH34AA
HP Spectre Rechargeable Mouse 700 (Bordeaux Burgundy)	5VD59AA
HP Spectre Rechargeable Mouse 700 (Luxe Cooper)	3NZ70AA
HP Spectre Rechargeable Mouse 700 (Turbo Silver)	3NZ71AA
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	3FV66AA
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	7UH85AA
HP Wireless Mouse Z3700	7UH86AA
HP Wireless Mouse Z3700	7UH88AA
HP Wireless Mouse Z3700	7UH89AA
HP Wireless Mouse Z3700 - White/Pink	4VY82AA
HP Wireless Mouse Z4000	H5N61AA
HP X220 Backlit Gaming Mouse	8DX48AA
HP X4500 Wireless (Metal Black) Mouse	H2W26AA
HP X500 Wired Mouse	E5E76AA
HP X900 Wired Mouse	V1S46AA
HP Z3700 Black Wireless Mouse	V0L79AA
HP Z3700 Blue Wireless Mouse	V0L81AA
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 by HP Mouse 400	3ML38AA
OMEN by HP Mouse 600	1KF75AA
OMEN by HP Photon Wireless Mouse	6CL96AA
OMEN by HP Reactor Mouse	2VP02AA
OMEN by HP Reactor Mouse	7ZF19AA

Keyboards

HP K1500 Keyboard	H3C52AA	
HP Pavilion Gaming Keyboard 500	3VN40AA	obsolete
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 by HP Encoder Keyboard	6YW75AA	

OMEN by HP Encoder Keyboard	6YW76AA
OMEN by HP Keyboard 1100	1MY13AA
OMEN by HP Sequencer Keyboard	2VN99AA

Cases and Covers

Backpacks

HP 17.3 in OMEN Gaming Backpack	K5Q03AA
HP Pavilion Gaming Backpack 500	6EU58AA
OMEN X by HP Transceptor Backpack	3KJ69AA
OMEN by HP Gaming Backpack	4YJ80AA

Cases

| HP 43.94 cm (17.3") Value Topload Case | T0E18AA |

Audio/Multimedia and Communication Devices

Headsets

HP Earbuds Black Headset 150	X7B04AA
HP In-Ear Headset 150 (Marine Blue)	2AP91AA
HP Pavilion Gaming Headset 400	4BX31AA
HP Pavilion Gaming Headset 600	4BX33AA
HP Stereo Headset H2800 (Black w. Silk Gold)	2AP94AA
HP Stereo Headset H2800 (White w. Pike Silver)	2AP95AA
HP X1000 Wireless Gaming Headset	7HC42AA
HP X1000 Wireless Gaming Headset	7HC43AA
OMEN Frequency Wireless Headset	9FL60AA
OMEN by HP Headset 800	1KF76AA
OMEN by HP Mindframe Prime Headset	6MF35AA
OMEN by HP Mindframe Prime Headset	6MF36AA
Omen X by HP Mindframe Headset	3XT27AA

Speakers

| HP Gaming Speakers X1000 | 8PB07AA |

Headphones

| OMEN Dyad Earbuds | 8JE67AA |

PC Drives and Storage

PC DVD+RW Drives

HP USB External DVDRW Drive	F6V97AA

Security Management Software

★ : Recommended

Internet Security Management Software

Kaspersky Bundle Internet Security 3 devices	W7C40AA	obsolete
Kaspersky Bundle Internet Security 5 devices	W7C42AA	obsolete
Kaspersky Internet Security 3 devices	W7C39AA	obsolete
Kaspersky Internet Security 5 devices	W7C41AA	obsolete

Application Software

Desktop Application Software

Microsoft Office 2013 Home and Business English	N1R77AA	
Microsoft Office 2013 Home and Business French	N1R78AA	
Microsoft Office 2013 Home and Business German	N1R79AA	
Microsoft Office 2013 Home and Business Italian	N1R80AA	
Microsoft Office 2016 Home and Business Software	W7C38AA	obsolete
Microsoft Office 2016 Home and Business Software	X7Q47AA	
Microsoft Office 2016 Home and Business Software	X7W31AA	obsolete
Microsoft Office 2016 Home and Business Software	YG146AA	obsolete
Microsoft Office 2016 Home and Student Software	X7Q46AA	
Microsoft Office 365 Home	M7K88AA	
Microsoft Office 365 Home English	N1R69AA	
Microsoft Office 365 Home French	N1R70AA	
Microsoft Office 365 Home German	N1R71AA	
Microsoft Office 365 Home Italian	N1R72AA	
Microsoft Office 365 Personal	M7K89AA	
Microsoft Office 365 Personal English	N1R73AA	
Microsoft Office 365 Personal French	N1R74AA	
Microsoft Office 365 Personal German	N1R75AA	
Microsoft Office 365 Personal Italian	N1R76AA	
Microsoft® Office Home and Business 2016 English	T7T87AA	obsolete
Microsoft® Office Home and Business 2016 French	T7T88AA	obsolete
Microsoft® Office Home and Business 2016 German	T7T86AA	obsolete
Microsoft® Office Home and Business 2016 Italian	T7T89AA	obsolete

Microsoft® Office Home and Student 2016 English	T7T91AA	obsolete
Microsoft® Office Home and Student 2016 French	T7T92AA	obsolete
Microsoft® Office Home and Student 2016 German	T7T90AA	obsolete
Microsoft® Office Home and Student 2016 Italian	T7T93AA	obsolete

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