

HP Laptop 17-ca1655ng (241Z5EA)

Overview



Quality performance and a long-lasting battery to tackle every day tasks

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 a powerful AMD processor[3] and a rich HD[1] or FHD[2] display. Do it all, all day.



Responsive and reliable performance

A laptop with the power to surf, stream,[4] and do so much more with an AMD processor[3] and graphics options. 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



2nd Generation AMD Ryzen™ Mobile Processors

Uplift your performance with 2nd Generation AMD Ryzen™ Mobile Processors. Multitask seamlessly with accelerated power and efficiency, while enjoying stunning visuals.^[5]



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.^[6]



PCIe SSD storage

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



AMD Radeon™ Vega graphics

Thrill your visual senses with the latest AMD graphics compute engines for fast, powerful, and fluid graphics. Combine with the latest multimedia for incredible performance.



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.



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.^[7]

[1] High-definition (HD) content required to view HD images.

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

[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.

[4] Internet service required and not included.

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

[7] 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 10 Home 64
Product color	Jet black
Processor family	AMD Ryzen™ 5 processor
Processor	AMD Ryzen™ 5 3500U (2.1 GHz base clock, up to 3.7 GHz max boost clock, 4 MB L3 cache, 4 cores) ^[6,7]
Chipset	AMD Integrated SoC
Memory	8 GB DDR4-2400 SDRAM (1 x 8 GB)
Internal Storage	512 GB PCIe® NVMe™ M.2 SSD
Product design	Mesh knit pattern with texture finish
Optical drive	Optical drive not included
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Vega 8 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")
Display size (diagonal)	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)
Weight	Starting at 5.41 lb
Keyboard	Full-size, jet black keyboard with numeric keypad
Pointing device	Touchpad with multi-touch gesture support; Precision Touchpad Support
Webcam	Camera with integrated digital microphone
Ports	2 USB 3.1 Gen 1 Type-A (Data Transfer Only); 1 USB 2.0 Type-A (Data Transfer Only); 1 RJ-45; 1 AC smart pin; 1 HDMI; 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 59.8 cm
Package weight	3.1 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 30 minutes ^[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 slot™
Pre-installed software	Netflix
Software included	McAfee LiveSafe™
Software - Productivity & finance	1 month trial for new Microsoft 365 customers ^[24]
Cloud service	Dropbox ^[1]
UPC number	195122883232
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 9 hours
Battery type	Li-ion
Bluetooth version	Bluetooth® 4.2
Brightness	300 nits
Color gamut	100% sRGB
Datasheet photo 1	AHID/61d44253c89ce1fd9bcebf199c84e5f4467cc18f
Datasheet photo 2	AHID/6bf6f2a8665f1a1b0749d5dd236cd0a63caac561
Datasheet photo 3	AHID/fa7e652335cf8fdbe6c938eaa875e1defab6084
Datasheet photo 4	AHID/a16baea16120b9e395e6daf18595b6b4f5d4da70
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
Fingerprint reader	Fingerprint reader not available
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	8 GB memory; 512 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 (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	AMD
Processor base frequency	2.1
Processor base frequency uom	GHz
Processor cache	4 MB L3
Processor core	4
Processor family	Ryzen™ 5
Processor maximum frequency	3.7
Processor maximum frequency uom	GHz
Processor model	3500U
Processor speed	2.1 GHz
Processor threads	8
Product brand name	HP
Product language options	#ABD
Service description	3-year pickup and return
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
Technology logo, print 2	Publication logos/HP_Fast_Charge_icon.jpg
Technology logo, print 6	Publication logos/mcafee_logo_with_tag_new.jpg
Touchscreen	No
UNSPSC code	43211503
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. AMD's numbering is not a measurement of clock speed.

[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

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

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 Wired Keyboard and Mouse 160	6HD76AA
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	obsolete
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 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 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 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 Keyboard 1100	1MY13AA
OMEN by HP Sequencer Keyboard	2VN99AA

Cases and Covers

Backpacks

HP 15.6 in Value Backpack	K0B39AA ★	
HP 17.3 in OMEN Gaming Backpack	K5Q03AA	
HP Commuter Backpack (Blue)	5EE92AA	
HP Pavilion Gaming Backpack 500	6EU58AA	
OMEN X by HP Transceptor Backpack	3KJ69AA	obsolete
OMEN by HP Gaming Backpack	4YJ80AA	

Covers

HP 43.94 cm (17.3") Carry Sleeve Black/Gold	3XD37AA
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Audio/Multimedia and Communication Devices

Headsets

HP Bluetooth Headset 500	2J875AA
HP Earbuds Black Headset 150	X7B04AA
HP In-Ear Headset 150 (Marine Blue)	2AP91AA
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 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

Graphics Cards

Graphics Connectors/Adapters

HP HDMI to VGA Cable Adapter

X1B84AA

PC Drives and Storage

PC DVD+RW Drives

HP USB External DVDRW Drive

F6V97AA

Monitors

HP Home Monitors

★ : Recommended

HP Value Displays

HP 22f Display	2XN58AA	
HP 22fw Display	3KS60AA	
HP 22m Display	3WL44AA	
HP 22w Display	1CA83AA	
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 24w Display	1CA86AA	
HP 24x Gaming Display	5ZU98AA	
HP 25mx Display	4JF31AA	
HP 25x Display	3WL50AA	
HP 27f 27-inch 4K Display	5ZP65AA	
HP 27f Display	2XN62AA	
HP 27fh Display	4HZ38AA	
HP 27fh Display	5JB79AA	
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 27q Display	3FV90AA	
HP 27w Display	1JJ98AA	
HP 27wm LED Backlit Monitor	V9D84AA	obsolete

HP 27x Curved Gaming Display	7MW42AA
HP 27xq Display	3WL54AA
HP 32 Display	2FW77AA
HP 32s Display	2UD96AA
HP 34f Curved Display	6JM50AA

Pavilion Displays

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

OMEN by HP Displays

OMEN X 25 240Hz Gaming Display with Nvidia G-SYNC	4NK94AA	obsolete
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	

Application Software

★ : Recommended

Desktop Application Software

MS Office Home and Student 2019 for PC 6MW81AA	6MW81AA
Microsoft Office 2016 Home and Business Software	X7Q47AA
Microsoft Office 2016 Home and Student Software	X7Q46AA
Microsoft Office 365 Business Premium 6MW80AA	6MW80AA
Microsoft Office 365 Home	6MW78AA
Microsoft Office 365 Personal	6MW79AA
Microsoft Office Home and Business 2019 for PC	6MW82AA

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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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