

HP Laptop 17-ca3242ng (2F5R1EA)

Overview



Beautifully designed to do it all

Designed for long-lasting performance, the stylishly designed HP 17 laptop has a long-lasting battery that keeps you connected, entertained, and productive. Speed through tasks or sit back and socialize with a powerful AMD Ryzen™ processor[1] and high resolution display.



Responsive and reliable performance

Surf, stream[2], and do so much more with a powerful AMD Ryzen™ processor[1]. Plus, extensive quality testing ensures that your laptop keeps going ... and going.



Stay connected and entertained

Stay connected and entertained with a long-lasting battery with HP Fast Charge. Store more of what you love with ample storage options.



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 17 laptop looks as good as it performs.

Features



AMD Ryzen™ 5 Processor

Tap into truly impressive notebook performance. A revolutionary new architecture with amazing battery life that delivers exceptional multi-threaded processing and Vega graphics for intensive multimedia tasks.^[3]



AMD Radeon™ graphics

Whether it's games or movies, experience high performance for all your entertainment.



HD+ display

Enjoy your photos, movies, and games with crisp quality. The 1600 x 900 resolution delivers 1.4 million pixels, 50% more than normal HD, for boosted definition.^[4]



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.



Liberating battery life

Take on your day without worrying about recharging. With up to 8 hours of battery life, you can work, watch more, and spend more of your time totally untethered.^[5]



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Take on your day without worrying about recharging. With up to 8 hours of battery life, you can work, watch more, and spend more of your time totally untethered.^[6]

[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.

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[4] High-definition+ (HD+) content is required to view HD+ 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-2018/> for additional details.

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Specifications

Operating system	FreeDOS
Product color	Jet black
Processor family	AMD Ryzen™ 5 processor
Processor	AMD Ryzen™ 5 4500U (2.3 GHz base clock, up to 4.0 GHz max boost clock, 8 MB L3 cache, 6 cores) ^[6,7]
Chipset	AMD Integrated SoC
Memory	8 GB DDR4-2666 MHz RAM (1 x 8 GB)
Internal Storage	256 GB PCIe® NVMe™ M.2 SSD
Product design	Mesh knit textured finish
Optical drive	DVD-Writer
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
Display	43.9 cm (17.3") diagonal, HD+ (1600 x 900), anti-glare, 220 nits, 60% NTSC
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	Starting at 2.38 kg (Weight varies by configuration)
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 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 55.2 x 34.5 cm
Package weight	3.11 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 8 hours ^[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes ^[5]

Battery weight 210 g

Security management Kensington Mini Security lock slot

UPC number 195161391095

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 8 hours and 45 minutes
Battery type	Li-ion
Bluetooth version	Bluetooth® 4.2
Brightness	220 nits
Color	Jet black
Color gamut	60% NTSC
Datasheet photo 1	AHID/360f254ad5b928afad85a1ce08dd09c2b425b177
Datasheet photo 2	AHID/df37d3c1fed6091b048fc1175b5029fec9437898
Datasheet photo 3	AHID/70de3405dfc5e69c638077fc46e7147f85d154d4
Datasheet photo 4	AHID/3ac77e54648cdb5b6da20a51b09665d8a7cf74f4
Datasheet photo 5	Publication logos/HP_Care_Pack_RGB_blue_NT.jpg
Display	43.9 cm (17.3") diagonal HD+ display
Display brightness	220
Display brightness uom	nits
Display resolution (pixels)	1600 x 900
Display resolution standard	HD+
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
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	2666
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	2.3
Processor base frequency uom	GHz
Processor cache	8 MB L3
Processor core	6
Processor family	Ryzen™ 5
Processor maximum frequency	4.0
Processor maximum frequency uom	GHz
Processor model	4500U
Processor threads	6
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 2	Publication logos/AMD RYZEN LOGO.jpg
Touchscreen	No
Wireless Model	RTL8821CE
Wireless antenna	1x1
Wireless standard	802.11a/b/g/n/ac
Wireless supplier	Realtek

[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.

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

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 25mx Display	4JF31AA	
HP 25x Display	3WL50AA	
HP 27f 27-inch 4K Display	5ZP65AA	
HP 27fh Display	4HZ38AA	
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	obsolete
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 32 QHD Display	4WH45AA	obsolete
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OMEN by HP Displays

OMEN 27i IPS 165Hz 2k Gaming Monitor	8AC94AA	
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	

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 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

Mice

HP Wireless Mouse 220	258A1AA ★
HP Wireless Mouse 220	3FV66AA ★
HP Wireless Mouse 200	X6W31AA ★
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 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	obsolete
HP X220 Backlit Gaming Mouse	8DX48AA	
HP X4500 Wireless (Black) Mouse	H2W16AA	obsolete
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	

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 17.3 in OMEN Gaming Backpack	K5Q03AA
HP Pavilion Gaming Backpack 300	6EU56AA
HP Pavilion Gaming Backpack 500	6EU58AA

Covers

HP 35.56 cm (14") Carry Sleeve Black/Gold	3XD33AA	obsolete
HP 43.94 cm (17.3") Carry Sleeve Black/Gold	3XD37AA	
OMEN Transceptor 17 Sleeve	3J045AA	

Cases

HP 43.94 cm (17.3") Signature Slim Topload Case	T0E19AA
HP 43.94 cm (17.3") Value Topload Case	T0E18AA
OMEN Transceptor 17 Duffel Bag	7MT82AA

Audio/Multimedia and Communication Devices

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

Headsets

HP Bluetooth Headset 500	2J875AA
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 X1000 Wireless Gaming Headset	7HC43AA	
OMEN Blast Headset	1A858AA	
OMEN by HP Headset 800	1KF76AA	obsolete
OMEN by HP Mindframe Prime Headset	6MF35AA	
OMEN by HP Mindframe Prime Headset	6MF36AA	

Headphones

HP Wireless Earbuds G2	169H9AA
OMEN Dyad Earbuds	8JE67AA

Graphics Cards

Graphics Connectors/Adapters

HP HDMI to VGA Cable Adapter	X1B84AA
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PC Drives and Storage

PC DVD+RW Drives

HP USB External DVDRW Drive	F6V97AA
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