



HP Laptop 15s-eq2023nq (4Q6E6EA)

Overview

Power through your day

Stay connected to what matters most with long-lasting battery life and a thin micro-edge bezel design. Built to keep you productive and entertained from anywhere, the HP 15.6 inch Laptop features reliable performance and an expansive display, so you can stream, surf and speed through tasks.[1]



View more, carry less

Thin, light, and designed to travel. See more of your photos, videos and projects on a 6.5 mm micro-edge bezel display.



Go longer, faster

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

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



Fingerprint reader

Seamlessly and securely log into your device with the touch of your finger.

Features



AMD Ryzen™ 5000 U Series Mobile Processors

If juggling video conferences, web browsing, building spreadsheets, and creating presentations is the norm, then AMD Ryzen™ 5000 Series Mobile Processor-powered devices are built with you in mind.



PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 512 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.



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.^[2]



Wi-Fi 5 (2x2) & Bluetooth® 5.0 (802.11a/b/g/n/ac)

Never worry about spotty Internet and weak connections. Stay powerfully connected to Wi-Fi and to Bluetooth® accessories with the latest Wi-Fi 5 (2x2) WLAN adapter and Bluetooth® 5.0.^[3]



DDR4 RAM

Designed to run more efficiently and more reliably at faster speeds, DDR4 is the future of RAM. With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

[1] Internet service required and not included.

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

[3] 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	FreeDOS
Product color	Natural silver
Processor family	AMD Ryzen™ 5 processor
Processor	AMD Ryzen™ 5 5500U (up to 4.0 GHz max boost clock, 8 MB L3 cache, 6 cores, 12 threads) ^[6,7]
Chipset	AMD Integrated SoC
Memory	8 GB DDR4-3200 MHz RAM (1 x 8 GB)
Internal Storage	512 GB PCIe® NVMe™ M.2 SSD
Product design	Paint cover and base finish, vertical brushing pattern with IMR finish keyboard frame
Optical drive	Optical drive not included
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, micro-edge, anti-glare, 250 nits, 45% NTSC
Display	15.6" diagonal, FHD (1920 x 1080), IPS, micro-edge, anti-glare, 250 nits, 45% NTSC
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio features	Dual speakers
Minimum dimensions (W x D x H)	35.85 x 24.2 x 1.79 cm <i>(Dimensions vary by configuration)</i>
Minimum dimensions (W x D x H)	14.11 x 9.53 x 0.71 in
Weight	1.69 kg <i>(Weight varies by configuration)</i>
Weight	3.75 lb
Keyboard	Full-size, backlit, 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)	6.9 x 30.5 x 52 cm
Package weight	2.21 kg

WirelessRealtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5
combo**Power supply type**

45 W Smart AC power adapter

Battery type

3-cell, 41 Wh Li-ion

Battery lifeUp to 9 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

Additional specifications

Battery capacity	41
Battery capacity uom	Wh
Battery cells number	3
Battery life	Long Life
Battery life video playback	Up to 9 hours
Battery type	Li-ion
Brightness	250 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	39.6 cm (15.6") diagonal FHD display
Display	15.6" diagonal FHD display
Display bezel	micro-edge
Display brightness	250
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)	15.6
Display size (diagonal, metric)	39.6
Display size (diagonal, metric) uom	cm
Display surface treatment	anti-glare
ECC memory	non-ECC
Fingerprint reader	Fingerprint reader not available
Keyboard backlight	backlit
Keyboard color	natural silver
Keyboard keypad	numeric keypad
Keyboard size	Full-size
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	3200
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 dimensions (W x D x H)	2.72 x 12 x 20.47 in
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 weight	4.87 lb
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	AMD

Processor cache	8 MB L3
Processor core	6
Processor family	Ryzen™ 5
Processor maximum frequency	4.0
Processor maximum frequency uom	GHz
Processor model	5500U
Processor threads	12
Product brand name	HP
Product long name specifications	HP Laptop 15s-eq2023nq, 15.6", FreeDOS, AMD Ryzen™ 5, 8GB RAM, 512GB SSD, FHD, Natural silver
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
Touchscreen	No
Wireless Model	RTL8822CE
Wireless antenna	2x2
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.

[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.

Accessories

Cases and Covers

★ : Recommended

Backpacks

HP 15.6 in Value Backpack	KOB39AA ★
HP 15.6 in Value Topload Case	KOB38AA ★
HP 15.6 Classic Backpack	1FK05AA
HP 15.6 Duotone Backpack	4QF96AA
HP 15.6 Duotone Backpack	4QF97AA
HP 15.6 Signature II Backpack	3K006AA
HP 15.6 in Black Odyssey Backpack	L8J88AA
HP 15.6 in Green/Gray Odyssey Backpack	L8J89AA
HP 15.6 in Value Backpack	4WH53AA
HP 17.3 in OMEN Gaming Backpack	K5Q03AA
HP Active Backpack	1LU22AA
HP Active Backpack	1LU23AA
HP Commuter Backpack	5EE91AA
HP Commuter Backpack	5EE92AA
HP ENVY Urban 15 Backpack	3KJ72AA
HP ENVY Urban 15 Backpack	7XG56AA
HP ENVY Urban 15 Briefcase	3KJ73AA
HP ENVY Urban 15.6 Briefcase	7XG57AA
HP Lightweight 15.6 Blue/Gray Backpack	18H48AA
HP Lightweight 15.6 Laptop Backpack	1G6D3AA
HP Pavilion Gaming Backpack 300	6EU56AA
HP Pavilion Gaming Backpack 400	6EU57AA
HP Pavilion Gaming Backpack 500	6EU58AA
HP Pavilion Tech Backpack	5EE99AA
HP Prelude 15.6-inch Backpack	2Z8P3AA
HP Renew Backpack	1A211AA
HP Renew Backpack	1A212AA
HP Renew Travel 15.6-inch Backpack	2Z8A3AA
HP Spectre Folio Backpack	8GF06AA
OMEN Transceptor 15 Backpack	7MT84AA

OMEN Transceptor 15 Rolltop Backpack	7MT83AA
OMEN by HP Gaming Backpack	4YJ80AA

Covers

HP 15 Reversible Protective Sleeve	6UY96AA	
HP 15 Reversible Protective Sleeve	7KX13AA	
HP 15 Reversible Protective Sleeve	7KX15AA	
HP 15 Reversible Protective Sleeve	7KX16AA	
HP 15.6 Black/Red Neoprene Sleeve	V5C30AA	
HP 15.6 Neoprene Sleeve	V5C31AA	
HP 15.6 Sleeve	14V33AA	
HP Carry Sleeve 15	1PD64AA	obsolete
HP Carry Sleeve 15	3XD36AA	
HP Carry Sleeve 15	9GF67AA	
HP Envy Urban 15.6 Sleeve	3KJ70AA	
HP Envy Urban 15.6 Sleeve	7XG60AA	
HP Lightweight 15.6 Laptop Sleeve	1G6D6AA	
HP Reversible Neoprene Sleeve	2TX17AA	
HP Reversible Neoprene Sleeve	2UF60AA	
HP Reversible Neoprene Sleeve	2UF62AA	
HP Reversible Protective 15.6-inch Blue Laptop Sleeve	2F1X7AA	
HP Reversible Protective 15.6-inch Geo Laptop Sleeve	2F2L0AA	
HP Reversible Protective 15.6-inch Gold Laptop Sleeve	2F2K6AA	
HP Reversible Protective 15.6-inch Mauve Laptop Sleeve	2F1W8AA	
HP Reversible Protective 15.6-inch Silver Laptop Sleeve	2F2K5AA	
OMEN Transceptor 15 Sleeve	3J044AA	

Cases

HP 15.6 Duotone Briefcase	4QF94AA
HP 15.6 Duotone Briefcase	4QF95AA
HP 15.6 SMB Backpack Case	TOF84AA
HP 15.6 SMB Topload Case	TOF83AA
HP 15.6 Signature Slim Topload Case	L6V68AA
HP 15.6 Value Black Topload	T9B50AA
HP 17.3 Signature Slim Topload Case	TOE19AA
HP 17.3 Value Topload Case	TOE18AA

HP Classic Briefcase	1FK07AA
HP Lightweight 15.6 Laptop Bag	1G6D5AA
HP Renew Topload	1A213AA
HP Renew Topload	1A218AA
HP Spectre Folio Top Load	8GF07AA
OMEN Transceptor 17 Duffel Bag	7MT82AA

Keyboards/Mice and Input Devices

Keyboard and Mouse Kits

HP Pavilion Wireless Keyboard and Mouse 800	4CE99AA ★	
HP Pavilion Keyboard and Mouse 200	9DF28AA ★	
HP Wired Keyboard and Mouse 160	6HD76AA ★	
HP 150 Wired Mouse and Keyboard	240J7AA	
HP 230 Wireless Mouse and Keyboard Combo	18H24AA	
HP 230 Wireless Mouse and Keyboard Combo	3L1F0AA	
HP 330 Wireless Mouse and Keyboard Combination	2V9E6AA	
HP C2500 Desktop	J8F15AA	
HP C2710 Combo Keyboard	M7P30AA	obsolete
HP C6020 Wireless Desktop	P1F56AA	obsolete
HP Pavilion Wired Keyboard and Mouse 400	4CE97AA	
HP Pavilion Wireless Keyboard and Mouse 800	4CF00AA	
HP Wireless Keyboard and Mouse 250	6JU16AA	
HP Wireless Keyboard and Mouse 300	3ML04AA	

Mice

HP Wireless Mouse 220	3FV66AA ★
HP Wireless Mouse 200	X6W31AA ★
HP 150 Wired Mouse	240J6AA
HP 150 Wireless Mouse	2S9L1AA
HP 220 Silent Wireless Mouse	391R4AA
HP 280 Silent Wireless Mouse	19U64AA
HP 930 Creator Wireless Mouse	1D0K9AA
HP Bluetooth Travel Mouse	6SP25AA
HP Bluetooth® Mouse 250	6CR73AA
HP Bluetooth® Mouse Z5000	2HW67AA

HP Dual Mode Mouse	6CR71AA	
HP Dual Mode Mouse	6CR72AA	
HP ENVY Rechargeable Mouse 500	2LX92AA	
HP Elite Presenter Mouse	3YF38AA	
HP Pavilion Gaming Mouse 200	5JS07AA	
HP Pavilion Gaming Mouse 300	4PH30AA	
HP Pavilion Gaming Mouse 300	4PH31AA	
HP Spectre Rechargeable Mouse 700	3NZ70AA	
HP Spectre Rechargeable Mouse 700	3NZ71AA	
HP Spectre Rechargeable Mouse 700	4YH34AA	
HP Wired Mouse 100	6VY96AA	
HP Wired Mouse 1000	4QM14AA	
HP Wireless Mouse 200	2HU82AA	
HP Wireless Mouse 200	2HU83AA	
HP Wireless Mouse 200	2HU84AA	
HP Wireless Mouse 200	2HU85AA	
HP Wireless Mouse 200	2VY31AA	
HP Wireless Mouse 220	258A1AA	
HP Wireless Mouse 220	7KX10AA	
HP Wireless Mouse 220	7KX11AA	
HP Wireless Mouse 220	7KX12AA	
HP Wireless Mouse 220 with Pouch	6JA61AA	
HP Wireless Mouse 220 with Pouch	6JA62AA	
HP Wireless Mouse 250	3FV67AA	
HP Wireless Mouse X200	6VY95AA	
HP Wireless Mouse Z3700	4VY82AA	
HP Wireless Mouse Z3700	7UH87AA	
HP Wireless Mouse Z3700	7UH88AA	
HP Wireless Mouse Z4000	H5N61AA	
HP X1000 Mouse	H2C21AA	
HP X1500 Mouse	H4K66AA	obsolete
HP X220 Backlit Gaming Mouse	8DX48AA	
HP X3000 G2 Wireless Mouse	28Y30AA	
HP X3000 G2 Wireless Mouse	2C3M3AA	
HP X4500 Wireless (Black) Mouse	H2W16AA	obsolete
HP X500 Wired Mouse	E5C12AA	

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 Camo Wireless Mouse	171D7AA
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 Bluetooth Mouse	E5C13AA
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 230 Wireless Keyboard	3L1E7AA
HP Dual Mode Keyboard 1000	18J71AA
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	4CE98AA
HP Pavilion Wireless Keyboard 600	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

Batteries/Chargers/Adapters

AC Adapters

HP Travel Power Adapter 65W	X7W51AA ★
HP 65W 4.5mm Non-EM AC Adapter	Y5Y43AA
HP 65W Slim with USB AC Adapter	G6H47AA
HP Travel Power Adapter 65W	1MY05AA

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 Blue Bluetooth Speaker 360	2D800AA
HP Gaming Speakers X1000	8PB07AA
HP Silver Bluetooth Speaker 350	2D804AA
HP Silver Bluetooth Speaker 360	2D801AA

Headsets

HP Bluetooth Headset 400	2ZW81AA	
HP Bluetooth Headset 500	2J875AA	
HP Boom Mic Headset 150	2EM62AA	
HP Earbuds Black Headset 150	X7B04AA	
HP H2800 Black Headset	J8F10AA	
HP In-Ear Headphone 100	1KF54AA	
HP In-Ear Headset 150	2AP91AA	
HP Pavilion Gaming Headset 400	4BX31AA	
HP Pavilion Gaming Headset 600	4BX33AA	
HP Stereo Headset H2800	2AP94AA	
HP Stereo Headset H2800	2AP95AA	obsolete
HP X1000 Wireless Gaming Headset	7HC43AA	
OMEN Blast Headset	1A858AA	
OMEN by HP Headset 800	1KF76AA	
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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Docking and Port Replicators

Docking Stations

HP Travel USB-C Multi Port Hub	1C1Y5AA	
HP USB-C Dock	YOK80AA	obsolete
HP USB-C Travel Hub G2	235N8AA	

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 RJ45 Adapter	V7W66UT	
HP USB-C to USB-A Hub	Z8W90AA	obsolete

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