HP ENVY Laptop - 17-cg0220ng (9YN77EA)

Overview

Creativity without limits

As big as your imagination. The immersive, 43.9 cm (17.3") display allows you to easily create true-to-life visuals with stunning, accurate colors. Customizable performance puts the controls in your hands, and peace of mind features ensure your creations are safe-guarded until you're ready to share them.

The power to bring your creations to life

The powerful combination of an Intel® Core™ processor, ample memory and storage make your creative vision seamlessly come to life faster than ever before. With an IR thermal sensor and HP Command Center, you can customize performance, fan speed and external temperature to meet your creative needs.

Privacy for your peace of mind

Keep it confidential with an unhackable camera shutter and dedicated microphone mute button.

Thoughtfully designed

Sometimes bigger is better. Watch your creations come to life in accurate, vibrant color on this massive high definition, micro-edge display.

Features

Windows 10

Do great things confidently with the familiar feel of Windows - only better.[1]

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.[2]

NVIDIA® GeForce® MX 330

Supercharge your PC for work and play. Get higher graphics performance for smooth gaming and accelerated editing, while GeForce® Experience enables capturing and sharing videos, driver updates, and live streaming of games- allowing you to do it all.[3]

Intel® Iris® Plus Graphics

Experience more powerful computing with integrated Intel® Iris® Plus graphics. Crank up your creative drive with accelerated speeds and ultra-high resolutions for optimized entertainment.[4]

Liberating battery life

Take on your day without worrying about recharging. With up to 8 hours and 30 minutes of battery life, you can work, watch more, and spend more of your time totally untethered.[5]

PCIe SSD storage

Boot up in seconds with lightning fast speed with up to 1 TB PCIe SSD storage.

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[1] 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.

[2] 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.

[3] Internet access required and not included

[4] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. 4K content required to view full 4K 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.

Specifications

Operating system	Windows 10 Home 64
Product color	Natural silver aluminium
Processor family	10th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-1065G7 (1.3 GHz base frequency, up to 3.9 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores)[6,7]
Chipset	Intel® Integrated SoC
Memory	16 GB DDR4-3200 SDRAM (2 x 8 GB)
Internal Storage	1 TB PCIe® NVMe™ M.2 SSD
Product design	Sandblasted anodized finish
Optical drive	Optical drive not included
Graphics	Integrated
Graphics (integrated)	Intel® Iris® Plus Graphics
Display	43.9 cm (17.3") diagonal, FHD (1920 x 1080), IPS, edge-to-edge glass, 300 nits, 100% sRGB
Display size (diagonal)	43.9 cm (17.3")
Audio features	Audio by Bang & Olufsen, dual speakers, HP Audio Boost 2.0
Minimum dimensions (W x D x H)	39.9 x 25.9 x 1.93 cm *(Dimensions vary by configuration)*
Weight	Starting at 2.73 kg *(Weight varies by configuration)*
Keyboard	Full-size, backlit, natural silver keyboard with numeric keypad
Pointing device	HP Imagepad with multi-touch gesture support; Precision Touchpad Support
Input devices	Accelerometer; IR Thermal sensor
Webcam	HP Wide Vision 720p HD camera with camera shutter and integrated dual array digital microphones
Ports	1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.0; 1 AC smart pin; 1 headphone/microphone combo[19]
Expansion slots	1 multi-format SD media card reader
Package dimensions (W x D x H)	6.9 x 55.2 x 30.5 cm
Package weight	4.53 kg
Wireless	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit file transfer speeds)
Power supply type	65 W AC power adapter

Battery type	4-cell, 55.67 Wh Li-ion
Battery life	Up to 8 hours and 30 minutes[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 45 minutes[5]
Battery weight	260 g
Energy efficiency	ENERGY STAR® certified; EPEAT® Silver registered
Security management	All-in-One keyboard; Camera Shutter
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	194850814006

Additional specifications

Additional information about HP	http://www.hp.com
Battery capacity	55.67
Battery capacity uom	Wh
Battery cells number	4
Battery life video playback	Up to 11 hours and 45 minutes
Battery type	Li-ion
Bluetooth version	Bluetooth® 5
Brightness	300 nits
Color gamut	100% sRGB
Datasheet photo 5	Publication logos/pc-carepack-logo.jpg
Display brightness	300
Display brightness uom	nits
Display design	edge-to-edge glass
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
ECC memory	No
Fingerprint reader	Fingerprint reader
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce® MX330 (4 GB GDDR5 dedicated)
Graphics card brand	NVIDIA®
Graphics card family	GeForce®
Graphics card memory size	4
Graphics card memory size uom	GB
Graphics card memory type	GDDR5
MDA key selling point	Windows 10 Home or other operating systems available
Memory and storage	16 GB memory; 1 TB SSD storage
Memory layout (slots & size)	2 x 8 GB
Memory module type	DIMM

Memory size	16
Memory size uom	GB
Memory speed	3200
Memory speed uom	MHz
Memory type	DDR4
Model Number	MX330
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, metric (extended size)	59.8
Package depth, metric (most common size)	55.2
Package height, imperial (extended size)	13.58
Package height, imperial (most common size)	13.58
Package height, metric (extended size)	34.5
Package height, metric (most common size)	34.5
Package width, imperial (extended size)	2.71
Package width, imperial (most common size)	2.71
Package width, metric (extended size)	6.9
Package width, metric (most common size)	6.9
Packaging unit of measure (imperial)	in
Packaging unit of measure (metric)	cm
Processor Brand	Intel®
Processor base frequency	1.3
Processor base frequency uom	GHz
Processor cache	8 MB L3
Processor core	4

Processor family	Core™ i7
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	10th Generation
Processor maximum frequency	3.9
Processor maximum frequency uom	GHz
Processor model	1065G7
Processor speed	1.3 GHz
Processor threads	8
Product brand name	HP
Storage capacity 01	1
Storage capacity uom 01	TB
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	Wi-Fi 6 AX201
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	Intel®

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[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.

[19] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

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

Accessories

Batteries/Chargers/Adapters

★ : Recommended

AC Adapters

HP 65W USB-C Slim Travel Power Adapter	**7EZ26AA ★**	
HP 90W Smart Power AC Adapter	**W5D55AA ★**	
HP USB-C Travel Power Adapter 65W	X7W50AA	

Power Adapters

HP Pavilion USB-C™ to HDMI 2.0 Adapter	2PC54AA	

Keyboards/Mice and Input Devices

Mice

HP Pavilion Gaming Mouse Pad 400	**5JH72AA ★**	
HP Spectre Rechargeable Mouse 700 (Turbo Silver)	**3NZ71AA ★**	
HP ENVY Rechargeable Mouse 500	**2LX92AA ★**	
HP Pavilion Gaming Mouse Pad 300	**4PZ84AA ★**	
HP Bluetooth Travel Mouse	**6SP25AA ★**	
OMEN by HP Mouse Pad 300	**1MY15AA ★**	
HP Bluetooth® Mouse Z5000	2HW67AA	
HP Bluetooth® Mouse Z5000	E5C13AA	
HP Dual Mode Black Mouse 300	6CR71AA	
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 Wired Mouse 1000	4QM14AA	
HP Wireless Mouse 200	X6W31AA	
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

Keyboard and Mouse Kits

HP Pavilion Wireless Keyboard and Mouse 800 (Black)	**4CE99AA ★**

HP C2710 Combo Keyboard	M7P30AA
HP Pavilion Keyboard and Mouse 200	9DF28AA
HP Pavilion Wired Keyboard and Mouse 400	4CE97AA
HP Pavilion Wireless Keyboard and Mouse 800	4CF00AA
HP Wired Combo C2500	H3C53AA
HP Wired Keyboard and Mouse 160	6HD76AA
HP Wireless Keyboard and Mouse 300	3ML04AA

Keyboards

HP Pavilion Wireless Keyboard 600 Black	**4CE98AA ★**
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 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

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 Stereo Headset H2800 (White w. Pike Silver)	2AP95AA
HP X1000 Wireless Gaming Headset	7HC42AA
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	

Cables/Cable Kits/Cable Adapters

Cable Adapters

HP Spectre USB-C Travel Dock	**2SR85AA ★**	
HP USB Type-C to RJ45 Adapter	V8Y76AA	
HP USB-C to HDMI/ USB 3.0/ USB-C	1BG94AA	
HP USB-C to USB-A Hub	Z8W90AA	
HP USB-C to VGA Display Adapter	P7Z54AA	

Networking Products

Switches/Hubs/Routers/Converters/Repeaters

HP ENVY USB-C Hub	**5LX63AA ★**	

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	obsolete
OMEN by HP Gaming Backpack	4YJ80AA	

Covers

HP 43.94 cm (17.3") Carry Sleeve Black/Gold	3XD37AA	

Cases

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

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

Software

Application Software

★ : Recommended

Desktop Application Software

Microsoft Office 2016 Home and Business Software	X7Q47AA
Microsoft Office 2016 Home and Student Software	X7Q46AA

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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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