



HP ENVY x360 Convert 13-ay0012nn (19M03EA)

Overview

Limitless creation, from anywhere

Ready whenever inspiration strikes. Bring true-to-life, vibrant visuals to your screen anywhere, anytime with this versatile, convertible PC with long battery life. Simultaneously use the touch and pen input to capture every detail of your sketches and rest easy knowing your creations are under wraps until you're ready to share them.



The power to bring your creations to life

With an AMD Ryzen Series Processor[1] with Radeon Graphics, a long battery life, ample SSD storage and HP Command Center, you get performance 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

Ideas come to life in vibrant color with the high definition, micro-edge display. The 360 degree hinge adapts so can capture every intricate sketch with precision.

Features



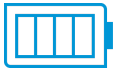
Windows 10

Do great things confidently with the familiar feel of Windows - only better.^[4]



AMD Radeon™ graphics

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



Battery life for long days

Extend your day into the night with up to 11 hours of battery life. Longer battery life means you can keep going beyond your day without recharging.^[7]



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.^[5]



Authentic wood accents. Crafted to be as unique as you.

This exquisitely designed PC is accented with a one-of-a-kind, authentic wood grain pattern. The precision touchpad and retained wood texture is crafted for a seamless and warm experience.^[6]



Brilliant BrightView panel

Perfect for an ideal indoor experience, get a bright, clear picture for all your videos, photos, and documents.

[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. AMD's numbering is not a measurement of clock speed.

[4] 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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[6] Wood grain pattern will vary by PC.

[7] 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	Nightfall black aluminum
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 DDR4-3200 SDRAM (onboard)
Internal Storage	512 GB PCIe® NVMe™ M.2 SSD
Product design	Sandblasted anodized finish
Optical drive	Optical drive not included
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
Display	33.8 cm (13.3") diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, BrightView, Corning® Gorilla® Glass NBT™, 400 nits, 100% sRGB
Display	13.3" diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, BrightView, Corning® Gorilla® Glass NBT™, 400 nits, 100% sRGB
Display size (diagonal)	33.8 cm (13.3")
Display size (diagonal)	13.3"
Audio features	Audio by Bang & Olufsen; Dual speakers; HP Audio Boost 2.0
Minimum dimensions (W x D x H)	30.65 x 19.46 x 1.64 cm <i>(Dimensions vary by configuration)</i>
Minimum dimensions (W x D x H)	12.07 x 7.66 x 0.65 in
Weight	1.32 kg <i>(Weight varies by configuration)</i>
Weight	2.92 lb
Keyboard	Full-size, backlit, nightfall black keyboard
Pointing device	Imagepad with multi-touch gesture support; Precision Touchpad Support
Input devices	Accelerometer; Gyroscope; eCompass; 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); 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 AC smart pin; 1 headphone/microphone combo ^[19]
Expansion slots	1 microSD media card reader

Package dimensions (W x D x H)	6.9 x 48.3 x 30.5 cm
Package weight	2.42 kg
Wireless	Realtek RTL8822CE 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo
Power supply type	65 W AC power adapter
Battery type	3-cell, 51 Wh Li-ion polymer
Battery life	Up to 11 hours ^[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes ^[5]
Battery weight	7.4 oz
Battery weight	210 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	195122202200

Additional specifications

Battery capacity	51
Battery capacity uom	Wh
Battery cells number	3
Battery life video playback	Up to 12 hours
Battery type	Li-ion polymer
Bluetooth version	Bluetooth® 5
Brightness	400 nits
Color gamut	100% sRGB
Display	13.3" diagonal FHD touch display
Display	33.8 cm (13.3") diagonal FHD touch display
Display bezel	micro-edge
Display brightness	400
Display brightness uom	nits
Display design	edge-to-edge glass
Display glass type	Corning® Gorilla® Glass NBT™
Display panel technology	IPS
Display resolution (pixels)	1920 x 1080
Display resolution standard	FHD
Display size (diagonal) uom	"
Display size (diagonal, imperial)	13.3
Display size (diagonal, metric)	33.8
Display size (diagonal, metric) uom	cm
Display surface treatment	BrightView
Display touchscreen type	multitouch-enabled
ECC memory	No
Fingerprint reader	Fingerprint reader
MDA key selling point	Windows 10 Home or other operating systems available
Memory and storage	8 GB memory; 512 GB SSD storage
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 (extended size)	20.47
Package depth, imperial (most common size)	19.01
Package depth, metric (extended size)	52
Package depth, metric (most common size)	48.3
Package dimensions (W x D x H)	2.71 x 20.47 x 12 in
Package height, imperial (extended size)	12
Package height, imperial (most common size)	12
Package height, metric (extended size)	30.5
Package height, metric (most common size)	30.5
Package weight	5.32 lb
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	AMD
Processor base frequency	2.3
Processor base frequency uom	GHz
Processor cache	3 MB L2
Processor core	6
Processor family	Ryzen™ 5
Processor maximum frequency	4.0

Processor maximum frequency uom	GHz
Processor model	4500U
Processor speed	2.3 GHz
Processor threads	6
Product brand name	HP
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	Yes
Wireless Model	RTL8822CE
Wireless antenna	2x2
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 30 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.

[19] HP Sleep and Charge requires USB Type-A/Type-C charging protocol standard cable or dongle with external device for full functionality.

[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 65W Smart Power AC Adapter	W5D56AA ★
HP 65W 4.5mm Non-EM AC Adapter	Y5Y43AA
HP 65W Slim AC Adapter	5SA18AA
HP 65W Slim with USB AC Adapter	G6H47AA
HP Travel Power Adapter 65W	1MY05AA
HP Travel Power Adapter 65W	X7W51AA
HP USB-C Travel Power Adapter 65W	X7W50AA

Power Adapters

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

Backpacks

HP ENVY Urban 15 Backpack	3KJ72AA ★
HP ENVY Urban 15.6 Briefcase	7XG57AA ★
HP Renew Backpack	1A212AA ★
HP 15.6 Duotone Backpack	4QF96AA
HP 15.6 Duotone Backpack	4QF97AA
HP 15.6 Odyssey Backpack	5WK92AA
HP 15.6 Odyssey Backpack	5WK93AA
HP 15.6 Odyssey Backpack	5WK94AA
HP 15.6 Odyssey Backpack	7XG61AA
HP 15.6 Odyssey Backpack	7XG62AA
HP 15.6 Odyssey Backpack	Y5Y50AA
HP 15.6 in Black Odyssey Backpack	L8J88AA
HP 15.6 in Green/Gray Odyssey Backpack	L8J89AA
HP 15.6 in Value Backpack	K0B39AA
HP 15.6 in Value Topload Case	K0B38AA
HP 17.3 in OMEN Gaming Backpack	K5Q03AA

HP Active Backpack	1LU22AA	
HP Active Backpack	1LU23AA	
HP Active Backpack	1LU24AA	obsolete
HP Active Backpack	1MR61AA	obsolete
HP Commuter Backpack	5EE91AA	
HP Commuter Backpack	5EE92AA	
HP Commuter Backpack	5EE94AA	
HP ENVY Uptown Backpack	5DW97AA	
HP ENVY Urban 14 Sleeve	3KJ71AA	
HP ENVY Urban 14 Sleeve	7XG59AA	
HP ENVY Urban 14 Tote	3KJ74AA	
HP ENVY Urban 14 Tote	7XG58AA	
HP ENVY Urban 15 Backpack	7XG56AA	
HP ENVY Urban 15 Briefcase	3KJ73AA	
HP Pavilion Gaming Backpack 300	6EU56AA	
HP Pavilion Gaming Backpack 400	6EU57AA	
HP Pavilion Gaming Backpack 500	6EU58AA	
HP Pavilion Rolltop Backpack	5EE87AA	
HP Pavilion Rolltop Backpack	5EE88AA	
HP Pavilion Rolltop Backpack	5EE90AA	
HP Pavilion Tech Backpack	5EE99AA	
HP Pavilion Tech Backpack	5EF00AA	
HP Pavilion Tech Backpack	5EF01AA	
HP Pavilion Tech Backpack	5EF02AA	
HP Pavilion Wayfarer Backpack	5EE95AA	
HP Pavilion Wayfarer Backpack	5EE98AA	
HP Renew Backpack	1A211AA	
HP Spectre Folio Backpack	8GF06AA	
OMEN Transceptor 15 Backpack	7MT84AA	
OMEN Transceptor 15 Rolltop Backpack	7MT83AA	
OMEN X by HP Transceptor Backpack	3KJ69AA	
OMEN by HP Gaming Backpack	4YJ80AA	

Covers

HP 11 Reversible Protective Sleeve	7KX14AA	
HP 14 Black/Blue Neoprene Sleeve	V5C27AA	

HP 14 Black/Red Neoprene Sleeve	V5C26AA
HP 14 Reversible Protective Sleeve	6UY95AA
HP 14 Reversible Protective Sleeve	7GD78AA
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 Carry Sleeve 14	3XD33AA
HP Carry Sleeve 14	3XD34AA
HP Carry Sleeve 15	3XD35AA
HP Carry Sleeve 15	3XD36AA
HP Carry Sleeve 17	3XD37AA
HP Carry Sleeve 17	3XD38AA
HP Envy Urban 15.6 Sleeve	2UF58AA
HP Envy Urban 15.6 Sleeve	3KJ70AA
HP Envy Urban 15.6 Sleeve	7XG60AA
HP Pavilion 14 Everyday Sleeve	6YW39AA
HP Pavilion 14 Everyday Sleeve	6YW40AA
HP Pavilion 15 Everyday Sleeve	6JY51AA
HP Spectre Folio Pouch	5DC31AA
HP Spectre Folio Sleeve	5DC30AA

Cases

HP 15.6 Duotone Briefcase	4QF94AA
HP 15.6 Duotone Briefcase	4QF95AA
HP 17.3 Value Topload Case	TOE18AA
HP ENVY Uptown Convertible Pack	5DW93AA
HP ENVY Uptown Tote	5DW95AA
HP Renew Slim Briefcase	1A214AA
HP Renew Slim Briefcase	1A215AA
HP Renew Topload	1A213AA
HP Renew Topload	1A218AA
HP Renew Tote	1A216AA
HP Renew Tote	1A217AA

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 C2500 Desktop	H3C53AA
HP C2500 Desktop	J8F15AA
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 Keyboard and Mouse 160	6HD76AA
HP Wireless Keyboard and Mouse 250	6JU16AA
HP Wireless Keyboard and Mouse 300	3ML04AA

Mice

HP Spectre Rechargeable Mouse 700	3NZ71AA ★	
HP ENVY Rechargeable Mouse 500	2LX92AA ★	
HP Bluetooth Travel Mouse	6SP25AA ★	
HP Bluetooth® Mouse 250	6CR73AA	
HP Bluetooth® Mouse Z5000	2HW67AA	
HP Dual Mode Mouse	6CR71AA	
HP ENVY Rechargeable Mouse 500	2WX69AA	
HP Elite Presenter Mouse	3YF38AA	
HP Pavilion Gaming Mouse 200	5JS07AA	
HP Pavilion Gaming Mouse 300	4PH30AA	
HP Pavilion Gaming Mouse 300	4PH31AA	
HP Retractable Wired Mouse 100	6GJ71AA	
HP Spectre Bluetooth Mouse 500	1AM58AA	obsolete
HP Spectre Rechargeable Mouse 700	3NZ70AA	
HP Spectre Rechargeable Mouse 700	4YH33AA	
HP Spectre Rechargeable Mouse 700	4YH34AA	
HP Spectre Rechargeable Mouse 700	5VD59AA	
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 200	2VY33AA	
HP Wireless Mouse 200	X6W31AA	
HP Wireless Mouse 201	3XA55AA	
HP Wireless Mouse 202	2NE06AA	obsolete
HP Wireless Mouse 220	3FV66AA	
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 220 with Pouch	6JA63AA	
HP Wireless Mouse 250	3FV67AA	
HP Wireless Mouse X200	6VY95AA	
HP Wireless Mouse X3000	2HW69AA	obsolete
HP Wireless Mouse Z3700	4VY81AA	
HP Wireless Mouse Z3700	4VY82AA	
HP Wireless Mouse Z3700	6SD49AA	
HP Wireless Mouse Z3700	7UH85AA	
HP Wireless Mouse Z3700	7UH86AA	
HP Wireless Mouse Z3700	7UH87AA	
HP Wireless Mouse Z3700	7UH88AA	
HP Wireless Mouse Z3700	7UH89AA	
HP Wireless Mouse Z4000	2HW66AA	obsolete
HP Wireless Mouse Z4000	H5N61AA	
HP Wireless Silent 280M Mouse	19U64AA	
HP X220 Backlit Gaming Mouse	8DX48AA	
HP X3000 Wireless Mouse	H2C22AA	
HP X4500 Wireless (Black) Mouse	H2W16AA	
HP X4500 Wireless (Metal Black) Mouse	H2W26AA	
HP X500 Wired Mouse	E5E76AA	

HP X900 Wired Mouse	V1S46AA
HP Z3200 Black Wireless Mouse	JOE44AA
HP Z3200 White Wireless Mouse	E5J19AA
HP Z3700 Black Wireless Mouse	VOL79AA
HP Z3700 Blue Wireless Mouse	VOL81AA
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	VOL82AA
HP Z3700 Silver Wireless Mouse	X7Q44AA
HP Z3700 White Wireless Mouse	VOL80AA
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 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 Pavilion Wireless Keyboard 600	4CE98AA ★	
HP Classic Wired Keyboard	WZ972AA	
HP K1500 Keyboard	H3C52AA	
HP K1500 Keyboard	J8F16AA	
HP K2500 Wireless Keyboard	E5E77AA	
HP Keyboard 100	2UN30AA	
HP Pavilion Gaming Keyboard 500	3VN40AA	
HP Pavilion Gaming Keyboard 550	9LY71AA	
HP Pavilion Gaming Keyboard 800	5JS06AA	
HP Pavilion Wired Keyboard 300	4CE96AA	
HP Pavilion Wireless Keyboard 400	4XL88AA	
HP Pavilion Wireless Keyboard 600	4CF02AA	
HP Spectre Rechargeable Keyboard 1000	2ER92AA	obsolete

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

Pointing Devices

HP Pen	1MR94AA
HP Rechargeable MPP 2.0 Tilt Pen	3J122AA
HP Rechargeable MPP 2.0 Tilt Pen	3J123AA

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 Dock	YOK80AA
HP USB-C to Multi-port Hub	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 ★
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Audio/Multimedia and Communication Devices

Speakers

HP Black Bluetooth Speaker 360	2D799AA
HP Blue Bluetooth Speaker 360	2D800AA
HP Gaming Speakers X1000	8PB07AA
HP Silver Bluetooth Speaker 350	2D804AA

Headphones

HP Black Doha In-Ear Headset 150	Z3M53AA	obsolete
HP Wireless Earbuds G2	169H9AA	
OMEN Dyad Earbuds	8JE67AA	

Headsets

HP Bluetooth Headset 400	2ZW81AA	
HP Bluetooth Headset 500	2J875AA	
HP Boom Mic Headset 150	2EM62AA	obsolete
HP Earbuds Black Headset 150	X7B04AA	
HP H2800 Black Headset	J8F10AA	
HP In-Ear Headphone 100	1KF54AA	obsolete
HP In-Ear Headphone 100	1KF55AA	
HP In-Ear Headphone 100	1KF56AA	
HP In-Ear Headset 150	2AP90AA	obsolete
HP In-Ear Headset 150	2AP91AA	
HP In-Ear Headset 150	2AP92AA	
HP In-Ear Headset 150	2AP93AA	
HP On-Ear Headphone 200	2VB08AA	
HP Pavilion Gaming Headset 400	4BX31AA	
HP Pavilion Gaming Headset 600	4BX33AA	
HP Pavilion Gaming Headset 600	5RY19AA	
HP Stereo Headset H2800	2AP94AA	
HP Stereo Headset H2800	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	

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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