HP OmniBook X FlipNGAI 14-fk0000ca (B84HMUA)

Overview

Work and play anywhere, at any angle. Boosted by AI-power.

Let creativity reign with the HP OmniBook X Flip 14 Next Gen AI PC. With 4 versatile modes, this thin and light Next Gen AI PC enables you to work and play from anywhere, at any angle. AI-boosted power and speed, along with an all-day, fast-charge battery, keeps you going. While the 14" touch edge-to-edge display provides the best possible view.

Peace of mind with AI power

Create securely with the power of the AMD Ryzen™ AI 300 series processor with NPU of up to 50 TOPS[1].

On the go connections

Connect on the go with Wi-Fi and stream smoothly with AI noise reduction feature and Poly Camera Pro.

Create in 4 versatile modes

Create in 4 versatile modes - clamshell, tent, tablet, or reverse mode.

Built for a better tomorrow

HP OmniBook X Flip 14 NGAI PCs are designed with recycled metals[3] and post-consumer recycled plastics[4].

Features

Windows 11

Get a fresh perspective

From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way.[4]

AMD Ryzen™ AI 300 Series processors with AMD Radeon™ graphics

Unlock transformational AI PC experiences with AMD Ryzen™ AI 300 series processors. Designed for users to experience pure speed, responsiveness, and power efficient AI processing for Copilot+ PCs.[5]

Integrated AMD Radeon™ 800M graphics

AMD Radeon™ 800M graphics are built in for thrilling gaming performance, high resolution display support and hardware accelerated encoding with or without a discrete graphics card.

16:10 aspect ratio

A 16:10 aspect ratio lets you see more of your content with less scrolling.

McAfee Online Protection 30-day trial

Secure your device with award winning antivirus and online protection. Free trial includes secure VPN for privacy and data protection when browsing on public Wi-Fi[6]

Keyboard contains post-consumer recycled plastic

We're bringing a more thoughtful design to our keyboards by using post-consumer recycled plastic in the design.[7]

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[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. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, and other factors.

[3] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT standard for computers, IEEE 1680.1-2018 standard.

[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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

[5] 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. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, and other factors. Copilot+ in Windows requires Windows 11. Some features require an NPU. Timing of

feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Microsoft in Windows is not available, the Copilot key will lead to the Bing search engine. See aka.ms/copilotpluspcs.

[6] Internet access required and not included. McAfee is pre-installed on your PC and an account is required for activation. Subscription renewal required after trial period. VPN feature is not available in India, China, Syria or North Korea. McAfee is not compatible with Windows 11 in S mode. You'll need to permanently switch out of S mode. There's no charge to switch out of S mode, but you won't be able to turn it back on.

[7] Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product.

Specifications

Operating system	Windows 11 Home
Product color	Meteor silver aluminum
Processor family	AMD Ryzen™ AI 5 processor
Processor	AMD Ryzen™ AI 5 340 (up to 4.8 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads)[6,7]
Chipset	AMD integrated SoC
Memory	16 GB LPDDR5x-7500 MT/s (onboard)
Internal Storage	512 GB PCIe® Gen4 NVMe™ M.2 SSD
Product design	Sandblasted anodized finish
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ 840M Graphics
Display	35.6 cm (14") diagonal, 2K (1920 x 1200), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass 3, 400 nits, 62.5% sRGB
Display	14" diagonal, 2K (1920 x 1200), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, Corning® Gorilla® Glass 3, 400 nits, 62.5% sRGB
Display size (diagonal)	35.6 cm (14")
Display size (diagonal)	14"
Audio	DTS:X® Ultra; Dual speakers; HP Audio Boost; Poly Studio
Dimensions (W x D x H)	31.3 x 21.85 x 1.46 cm
Dimensions (W x D x H)	12.32 x 8.60 x 0.58 in
Weight	1.39 kg
Weight	3.08 lb
Keyboard	Full-size, backlit, soft grey keyboard
Pointing device	HP Imagepad
Input devices	Accelerometer; Gyroscope; IR thermal sensor
Camera	5MP IR camera with temporal noise reduction and integrated dual array digital microphones
Ports	2 USB Type-A 10Gbps signaling rate; 1 HDMI 2.1; 1 headphone/microphone combo; 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 2.1, HP Sleep and Charge); 1 USB Type-C® 40Gbps signaling rate(USB Power Delivery 3.1, DisplayPort™ 2.1, HP Sleep and Charge)[19]
Package dimensions (W x D x H)	8 x 38 x 28 cm
Package weight	2.44 kg
Wireless	MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 5.4 wireless card[12,46]
Power supply type	65 W USB Type-C® power adapter

Battery type	3-cell, 59 Wh Li-ion polymer *([23])*
Battery life	Up to 14 hours and 15 minutes[3]
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes[5]
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Ocean-bound plastic in speaker enclosure(s) and bezel; Recycled metal in cover, keyboard frame, base and hinge cap(s); Keyboard keycaps and scissors contain post-consumer recycled plastic
Security management	Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
Software included	McAfee Online Protection 30-day trial
Software – Productivity & finance	1 month trial for new Microsoft 365 customers[24]
Cloud service	25 GB Dropbox storage for 12 months[1]
UPC number	198990404189

Additional specifications

Aspect ratio	16:10
Battery capacity	59
Battery capacity uom	Wh
Battery cells number	3
Battery life video playback	Up to 19 hours and 30 minutes
Battery type	Li-ion polymer
Bluetooth version	Bluetooth® 5.4
Brightness	400 nits
Camera Infrared	IR
Camera microphone	integrated dual array digital microphones
Camera resolution	5
Camera resolution uom	MP
Color	Meteor silver
Color gamut	62.5% sRGB
Datasheet feature photo 01	https://hp.widen.net/content/rpcoroghha/original/rpcoroghha.png
Datasheet feature photo 07	https://hp.widen.net/content/vmc3mndk8b/original/vmc3mndk8b.png
Display	35.6 cm (14") diagonal 2K touch display
Display	14" diagonal 2K 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 3
Display panel technology	IPS
Display resolution (pixels)	1920 x 1200
Display resolution standard	2K
Display size (diagonal) uom	"
Display size (diagonal, imperial)	14
Display size (diagonal, metric)	35.6
Display size (diagonal, metric) uom	cm
Display touchscreen type	Touch screen
Ecolabels	EPEAT® Gold with Climate+
HDMI out – version	2.1

HDMI –out	1
Headphone/microphone combo	1
Keyboard backlight	Backlit
Keyboard color	soft grey
Keyboard size	Full-size
Memory and storage	16 GB memory;512 GB SSD storage
Memory layout (slots & size)	onboard
Memory size	16
Memory size uom	GB
Memory speed	7500
Memory speed uom	MT/s
Memory type	LPDDR5x
Neural Processing Unit	AMD Ryzen™ AI (50 NPU TOPS)
Number of User-accessible Memory Slots	0
Package depth, imperial (most common size)	14.96
Package depth, metric (most common size)	38
Package dimensions (W x D x H)	3.14 x 14.96 x 11.02 in
Package height, imperial (most common size)	11.02
Package height, metric (most common size)	28
Package weight	5.38 lb
Package width, imperial (most common size)	3.14
Package width, metric (most common size)	8
Packaging unit of measure (imperial)	in
Packaging unit of measure (metric)	cm
Playbook TS icon 1	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169181.png
Playbook TS icon 2	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c04752386.png
Playbook TS icon 3	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169181.png
Playbook TS icon 4	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png
Playbook TS icon 5	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08205649.png
Playbook TS icon 6	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201986.png

Playbook TS icon 7	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08954588.png
Playbook TS icon 8	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905827.png
Playbook TS icon OS	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png
Playbook TS icon battery life	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905264.png
Playbook TS icon connectivity	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png
Playbook TS icon dimensions NB	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08250394.png
Playbook TS icon display NB	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08205649.png
Playbook TS icon graphics	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png
Playbook TS icon memory	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png
Playbook TS icon processor	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png
Playbook TS icon storage	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png
Playbook TS icon weight imperial	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png
Playbook TS icon weight metric	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png
Processor Brand	AMD
Processor cache	16 MB L3
Processor core	6
Processor family	Ryzen™ AI 5
Processor maximum frequency	4.8
Processor maximum frequency uom	GHz
Processor model	340
Processor threads	12
Product brand name	HP
Product long name specifications	HP OmniBook X FlipNGAI 14-fk0000ca, Windows 11 Home, 14", Touch screen, AMD Ryzen™ AI 5, 16GB RAM, 512GB SSD, 2K, Meteor silver
Product long name specifications V2	HP OmniBook X FlipNGAI 14, Windows 11 Home, 14", Touch screen, AMD Ryzen™ AI 5, 16GB RAM, 512GB SSD, 2K, Meteor silver
Product short name specifications	HP OmniBook X FlipNGAI 14-fk0000ca, 14", AMD Ryzen™ AI 5, 16GB RAM, 512GB SSD
Screen-to-body ratio (without speakers)	89.58%[18]
Storage capacity	512
Storage capacity uom 01	GB
Storage form factor 01	M.2
Storage interface 01	PCIe® Gen 4
Storage interface protocol 01	NVMe™
Storage type	SSD

Storage type 01	SSD
Touchscreen	Yes
UNSPSC code	43211503
USB Type-A	2
USB Type-C	2
Wireless Model	MT7925
Wireless antenna	2x2
Wireless standard	Wi-Fi 7
Wireless supplier	MediaTek

[1] 25 GB of free Dropbox storage 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] MobileMark 25 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-25/ for additional details.

[5] Recharges your battery up to 50% within 30 minutes when the system is off using "shut down" command, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see http://store.hp.com). 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.

[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.

[12] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 2024, select Intel® Core™ or Intel® Core™ Ultra processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.

[18] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

[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.

[46] Bluetooth® 5.4 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.4 will function as Bluetooth® 5.3 or lower.

Accessories for PC

Mice/Pens/Other Pointing Devices

★ : Recommended

Mouse Pads

HP 100 Sanitizable Mouse Pad	8X594AA
HP 105 Sanitizable Mouse Pad	8X595AA
HP 200 Sanitizable Desk Mat	8X596AA
HP 205 Sanitizable Desk Mat	8X597AA

Wired Mice

HP 105 Black Wired Mouse	822M9AA
HP 105 Black Wired Mouse	822M9UT
HP 125 Wired Mouse	265A9AT
HP 125 Wired Mouse	265A9UT
HP 125 Wired Mouse (Bulk	265A9A6
HP 128 LSR Wired Mouse	265D9AA
HP 128 LSR Wired Mouse (Bulk Qty.120)	265D9A6
HP 150 Wired Mouse	240J6AA
HP 155 Wired Mouse	5B8B7AA
HP 320M Wired Mouse (Bulk Qty.120)	9VA80A6
HP Travel USB Mouse	G1K28AA
HP Wired 320M Mouse	9VA80AA
HP Wired Mouse 100	6VY96AA
HP Wired Mouse 1000	4QM14AA
HP X500 Wired Mouse	E5E76AA

Wireless Mice

HP 150 Wireless Mouse	2S9L1AA
HP 200 Black Wireless Mouse	X6W31AA
HP 200 Emprs Red Wireless Mouse	2HU82AA
HP 200 Mrn Blue Wireless Mouse	2HU85AA
HP 200 Pk Silver Wireless Mouse	2HU84AA
HP 200 Silk Gold Wireless Mouse	2HU83AA
HP 235 Slim Wireless Mouse	4E407AA
HP 235 Slim Wireless Mouse	4E407UT

HP 240 BT Mouse	3V0G9AA
HP 240 Empire Red BT Mouse	43N05AA
HP 240 Lunar White Bluetooth Mouse	793F9AA
HP 240 Pike Silver BT Mouse	43N04AA
HP 245 Black Bluetooth Mouse	81S67AA
HP 245 Black Bluetooth Mouse	81S67UT
HP 250 Dual Wireless Mouse	6V2J7AA
HP 255 Dual Wireless Mouse	8R3U1AA
HP 255 Dual Wireless Mouse	8R3U1UT
HP 280 Silent Black Wireless Mouse	19U64AA
HP 285 Silent Wireless Mouse	6G4E6AA
HP 410 Slim Ash Silver Bluetooth Mouse	4M0X5AA
HP 420 Programmable Wireless Mouse	7M1D3AA
HP 425 Programmable Wireless Mouse	7M1D5AA
HP 430 Multi-Device Wireless Mouse	3B4Q2AA
HP 435 Multi-Device Wireless Mouse	3B4Q5UT
HP 480 Comfort Bluetooth Mouse	8T6M3AA
HP 510 Ultra-Fast Rechargeable Wireless Mouse	9C2F6AA
HP 515 Ultra-Fast Rechargeable Wireless Mouse	9C2F7AA
HP 635 Multi-Device Wireless Mouse	1D0K2AA
HP 685 Comfort Dual-Mode Mouse	8T6M0UT
HP 690 Qi-Charging Wireless Mouse	7M1D4AA
HP 695 Qi-Charging Wireless Mouse	8F1Y4AA
HP 710 Rechargeable Silent Black Bluetooth Mouse	6E6F2AA
HP 710 Rechargeable Silent Silver Bluetooth Mouse	6E6F1AA
HP 715 Rechargeable Multi-Device Bluetooth Mouse	6E6F0AA
HP 920 Ergonomic Vertical Wireless Mouse	6H1A4AA
HP 925 Ergonomic Vertical Wireless Mouse	6H1A5AA
HP 930 Creator Wireless Mouse	1D0K9AA
HP 935 Creator Wireless Mouse	1D0K8AA
HP Wireless Mouse 220	3FV66AA
HP Wireless Mouse 220	7KX10AA
HP Wireless Mouse 220	7KX11AA
HP Wireless Mouse 220	7KX12AA
HP Wireless Mouse Z3700	4VY82AA
HP Wireless Mouse Z3700	7UH88AA

HP X3000 Black G2 Wireless Mouse	28Y30AA
HP X3000 Black Wireless Mouse G3	683N7AA
HP X3000 G3 Blue Wireless Mouse	683N8AA
HP X3000 Silver Wireless Mouse G3	683N9AA
HP Z3700 Black Onyx Wireless Mouse G2	681R7AA
HP Z3700 Black Wireless Mouse	26V63AA
HP Z3700 Black Wireless Mouse	V0L79AA
HP Z3700 Blue Wireless Mouse	V0L81AA
HP Z3700 Ceramic White Wireless Mouse G2	681S1AA
HP Z3700 Ceramic Wireless Mouse	171D8AA
HP Z3700 Dragonfly Blue Wireless Mouse G2	681S0AA
HP Z3700 Dual Black Wireless Mouse	758A8AA
HP Z3700 Dual Silver Wireless Mouse	758A9AA
HP Z3700 Gold Wireless Mouse	X7Q43AA
HP Z3700 Modern Gold Wireless Mouse G2	681R8AA
HP Z3700 Nature Silver Wireless Mouse G2	66Z09AA
HP Z3700 Red Wireless Mouse	V0L82AA
HP Z3700 Silver Wireless Mouse	X7Q44AA
HP Z3700 Tranquil Pink Wireless Mouse G2	681R9AA
HP Z3700 White Wireless Mouse	V0L80AA

Digital Pens

HP 700 RECHBL Multi Pen	93Z27AA

Keyboards/Other Input Devices

Wired Keyboards

HP 125 USB Wired Keyboard	266C9AA
HP 125 USB Wired Keyboard (Bulk Qty.12)	266C9A6
HP 150 USB-A Wired Keyboard	664R5AA
HP 320K USB Wired Keyboard (Bulk Qty.12)	9SR37A6
HP 320K Wired Keyboard	9SR37AA
HP 320K Wired Keyboard	9SR37UT
HP 400 Backlit Wired Keyboard	7N7C0AA
HP 405 Backlit Wired Keyboard	7N7C1AA
HP 405 Backlit Wired Keyboard	7N7C1UT

HP 480 Comfort Wired Keyboard	8T6M1AA
HP 485 Comfort Wired Keyboard	8T6M2AA
HP Pavilion Wired Keyboard 300	4CE96AA

Wired Combo

HP 150 Wired Mouse and Keyboard Combination	240J7AA
HP 225 Antimicrobial Wired Mouse and Keyboard Combo	286K3AA
HP 225 Wired Mouse and Keyboard Combo	286J4AA
HP 225 Wired Mouse and Keyboard Combo Cashmere White	86J24AA
HP Capri Combo Keyboard	9DF28AA
HP Pavilion Wired Combo Keyboard 400	4CE97AA
HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
HP Wired Desktop 320MK Mouse and Keyboard	9SR36UT

Wireless Keyboards

HP 220 Wireless Keyboard	805T2AA
HP 225 Wireless Keyboard	805T1AA
HP 230 BLK Wireless Keyboard	3L1E7AA
HP 325 Chrome Wireless Keyboard	45U14AA
HP 350 BLK Compact Multi-Device Keyboard	692S8AA
HP 350 WHT Compact Multi-Device Keyboard	692T0AA
HP 430 Programmable Wireless Keypad	7N7C2AA
HP 435 Programmable Bluetooth Wireless Keypad	7N7C3AA
HP 450 BLK Programmable Wireless Keyboard	4R184AA
HP 455 Programmable USB Wireless Keyboard (Bulk Qty.12)	4R177A6
HP 455 Programmable Wireless Keyboard	4R177AA
HP 460 Multi-Device Bluetooth Keyboard	7N7B8AA
HP 475 Dual-Mode Wireless Keyboard	7N7B9AA
HP 475 Dual-Mode Wireless Keyboard	7N7B9UT
HP 680 Comfort Dual-Mode Keyboard	8T6L8AA
HP 720 Multi-Device Rechargeable Wireless Keyboard	9T5B1AA
HP 725 Multi-Device Rechargeable Wireless Keyboard	9T5B2AA
HP 960 BLK Ergonomic Wireless Keyboard	7E755AA
HP 965 BLK Ergonomic Wireless Keyboard	7E756AA
HP 970 USB+BT Programmable Wireless Keyboard	3Z729AA
HP 975 USB+BT Dual-Mode Wireless Keyboard	3Z726AA

Wireless Combo

HP 230 Wireless Mouse and Keyboard Combo	18H24AA
HP 230 Wireless Mouse and Keyboard Combo White	3L1F0AA
HP 235 Wireless Mouse and Keyboard Combo	1Y4D0AA
HP 235 Wireless Mouse and Keyboard Combo	1Y4D0UT
HP 300 Wireless Mouse and Keyboard Combination	2V9E6AA
HP 650 Wireless Keyboard and Mouse Combo Black	4R013AA
HP 650 Wireless Keyboard and Mouse Combo White	4R016AA
HP 655 Wireless Keyboard and Mouse Combo	4R009AA
HP 655 Wireless Keyboard and Mouse Combo (BlkQty.10)	4R009A6
HP 655 Wireless Keyboard and Mouse Combo White	860P8AA
HP 680 Comfort Dual-Mode Keyboard and Mouse Combo	8T6L6AA
HP 685 Comfort Dual-Mode Keyboard and Mouse Combo	8T6L7UT
HP 720 Multi-Device Rechargeable Wireless Keyboard and Mouse Combo	9T5A9AA
HP 725 Multi-Device Rechargeable Wireless Keyboard and Mouse Combo	9T5B0UT
HP Wireless Keyboard and Mouse 300	3ML04AA

Monitors

HP Home Monitors

★ : Recommended

Series 3

HP Series 3 27 inch FHD Monitor - 327se	B7HS7AA

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