



HP All-in-One Desktop Next Gen AI 27-ct2009 PC (B91B8AA)

Overview

Achieve more with AI-driven technology for work and play.

Boost productivity and entertainment with the HP All-in-One, powered by AMD Ryzen™ AI 300 series Processors with up to 50 TOPS NPU[1] for fast multitasking and AI-driven performance. The intuitive AI tools and assistant allow you to work smart, while AMD Radeon™ 800M graphics deliver stunning visuals for light gaming, streaming, and more.



AI-driven efficiency for improved productivity

Do more and fast, with intuitive AI tools and AMD Ryzen™ AI 300 series Processors, with up to 50 TOPS NPU[1].



Connect and collaborate on your terms

Enhance every call with Windows Studio Effects, AI noise removal, and a tilt-adjustable pop-up camera.[2]



Brilliant display, immersive experiences

Enjoy sharp visuals for work or play with an expansive micro-edge display and AMD Radeon™ 800M graphics.



Built for a better tomorrow

This thoughtfully designed HP All-in-One includes recycled plastic[3] and recycled metal[4] in its design.

Features



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.^[5]



AMD Radeon™ graphics

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



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.



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.^[6]



FHD IPS display

Enjoy crystal-clear images from any angle. With 178° wide-viewing angles and a vibrant 1920 x 1080 resolution, you'll always have a great view of your favorite content.^[7]

Flicker-free

Using DC Dimming technology that controls brightness by adjusting direct current rather than cycling the backlight, we can eliminate screen flickering for more comfortable viewing.^[8]

[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.

[2] Features may require software or other 3rd party applications to provide the described functionality.

[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] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.

[5] 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>.

[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. 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.

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

[8] The flicker-free capability eliminates screen flickering through integrating DC-dimming LED backlights.

Specifications

Form factor	All-in-One
Operating system	Windows 11 Home
Product color	Shell white
Processor family	AMD Ryzen™ AI 7 processor
Processor	AMD Ryzen™ AI 7 350 (up to 5.0 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) ^[6,7]
Chipset	AMD integrated SoC
Memory	16 GB DDR5-5600 MT/s (2 x 8 GB)
Memory Slots	2 SODIMM
Internal Storage	1 TB PCIe® NVMe™ M.2 SSD
Product design	Textured finish
Graphics	Integrated
Graphics (integrated)	AMD Radeon™ Graphics
Display	68.6 cm (27") diagonal, FHD (1920 x 1080), IPS, three-sided micro-edge, anti-glare, 300 nits, 99% sRGB
Display	27" diagonal, FHD (1920 x 1080), IPS, three-sided micro-edge, anti-glare, 300 nits, 99% sRGB
Audio	Dual 2 W speakers
Dimensions (W x D x H)	61.25 x 18.63 x 51.68 cm
Dimensions (W x D x H)	24.11 x 7.34 x 20.35 in
Weight	6.72 kg
Weight	14.81 lb
Keyboard	HP 510SP White Wireless Keyboard and Mouse Combo
Camera	HP True Vision 1080p FHD IR tilt privacy camera with temporal noise reduction and integrated dual array digital microphones
Video connectors	1 HDMI-out 1.4
Ports	1 USB Type-C® 5Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 2 USB 2.0 Type-A; 1 headphone/microphone combo; 1 RJ-45
Expansion slots	2 M.2 (1 for SSD, 1 for WLAN)
Package dimensions (W x D x H)	73 x 17.5 x 52 cm
Package weight	11.9 kg
Network interface	Realtek RTL8111HSH-CG GbE NIC
Wireless	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.4 wireless card
Power supply type	90 W Smart AC power adapter
Sustainable impact specifications	40% post-consumer recycled plastic; Ocean-bound plastic; 10% recycled metal

Software included	McAfee Online Protection 30-day trial
Software - Productivity & finance	1 month trial for new Microsoft 365 customers ^[24]
Cloud service	100 GB Dropbox storage for 3 months ^[1]
UPC number	198990605609

Additional specifications

Bluetooth version	Bluetooth® 5.4
Camera Infrared	IR
Camera brand	HP True Vision
Camera microphone	integrated dual array digital microphones
Camera resolution (vertical)	1080p
Camera resolution standard	FHD
Color	Shell white
Color gamut	99% sRGB
Display	27" diagonal FHD display
Display	68.6 cm (27") diagonal FHD display
Display bezel	three-sided micro-edge
Display brightness	300
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)	27
Display size (diagonal, metric)	68.6
Display size (diagonal, metric) uom	cm
Display surface treatment	Anti-glare
ECC memory	non-ECC
Ethernet (RJ-45)	1
Flicker-free	Yes ^[45]
HDMI out – version	1.4
HDMI –out	1
Headphone/microphone combo	1
I/O Port location	Rear
Keyboard color	White
Keyboard connectivity	Wireless
Memory and storage	16 GB memory;1 TB SSD storage
Memory layout (slots & size)	2 x 8 GB

Memory module type	SODIMM
Memory size	16
Memory size uom	GB
Memory speed	5600
Memory speed uom	MT/s
Memory type	DDR5
Neural Processing Unit	AMD Ryzen™ AI (50 NPU TOPS)
Number of memory slots	2
Package dimensions (W x D x H)	28.74 x 6.89 x 20.47 in
Package weight	26.18 lb
Processor Brand	AMD
Processor NPU Tops	50
Processor cache	16 MB L3
Processor core	8
Processor family	Ryzen™ AI 7
Processor maximum frequency	5.0
Processor maximum frequency uom	GHz
Processor model	350
Processor socket	BGA
Processor threads	16
Product brand name	HP
Product long name specifications	HP All-in-One Desktop Next Gen AI 27-ct2009 PC, Windows 11 Home, 27", AMD Ryzen™ AI 7, 16GB RAM, 1TB SSD, FHD, Shell white
Product long name specifications V2	Windows 11 Home, 27", AMD Ryzen™ AI 7, 16GB RAM, 1TB SSD, FHD, Shell white
Product short name specifications	HP All-in-One Desktop Next Gen AI 27-ct2009 PC, 27", AMD Ryzen™ AI 7, 16GB RAM, 1TB SSD
Screen-to-body Ratio (with speakers) footnote number	[5]
Screen-to-body ratio (with speakers)	90.19%
Screen-to-body ratio (without speakers)	98.16% ^[4]
Stand color	Dark gray felt
Storage capacity	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
Touchscreen	No
UNSPSC code	43211507
USB Type-A	4
USB Type-C	1
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	Realtek

[1] 100 GB of free Dropbox storage for 3 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.

[4] Percent of active and nonactive viewing area to bezel area excluding speaker.

[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.

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

[45] The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights.

Monitors

Business Monitors

★ : Recommended

P-Series

HP P24v G5 FHD Monitor	64W18AA	
HP P22a G5 FHD Monitor - P22a	8D5J1AA	
HP P22b G5 FHD Monitor - P22b	8D5K4AA	
HP P22h G5 FHD Monitor	64W30A7	obsolete
HP P22h G5 FHD Monitor	64W30AA	
HP P22h G5 FHD Monitor	64W30AS	obsolete
HP P22v G5 FHD Value Monitor	7N909AT	
HP P24a G5 FHD Monitor - P24a	8D5J5AA	
HP P24h G5 FHD Monitor	64W34A7	obsolete
HP P24h G5 FHD Monitor	64W34AA	
HP P24v G5 FHD Value Monitor	7N914AT	
HP P27 G5 FHD Monitor	64X69A7	obsolete
HP P27 G5 FHD Monitor	64X69AA	
HP P27 G5 FHD Monitor	64X69AS	obsolete
HP P27h G5 FHD Monitor	64W41A7	obsolete
HP P27h G5 FHD Monitor	64W41AA	
HP P27h G5 FHD Monitor	64W41AS	obsolete
HP P34hc G4 WQHD USB-C Curved Monitor	21Y56A7	
HP P34hc G4 WQHD USB-C Curved Monitor	21Y56AA	
HP P34hc G4 WQHD USB-C Curved Monitor	21Y56AS	

E-Series

HP E22 G5 FHD Monitor	6N4E8AA	
HP E22 G5 FHD Monitor	6N4E8AS	
HP E22 G5 FHD Monitor	6N4E8E9	
HP E24 G5 FHD Monitor	6N6E9AA	
HP E24 G5 FHD No Stand Monitor	6N6E9A9	
HP E24i G4 WUXGA Monitor	9VJ40AA	
HP E24i G4 Without Video Cable WUXGA Monitor	9VJ40A3	
HP E24m G4 FHD USB-C Conferencing Monitor	40Z32A7	
HP E24m G4 FHD USB-C Conferencing Monitor	40Z32AA	

HP E24m G4 FHD USB-C Conferencing Monitor	40Z32AS
HP E24m G4 FHD USB-C Conferencing Monitor	40Z32E9
HP E24mv G4 FHD Conferencing Monitor	169L0AA
HP E24mv G4 FHD Conferencing Monitor	169L0AS
HP E24mv G4 FHD Conferencing Monitor	169L0E9
HP E24t G5 FHD Touch Monitor	6N6E6AA
HP E24t G5 FHD Touch Monitor	6N6E6AS
HP E24t G5 FHD Touch Monitor	6N6E6E9
HP E24u G5 FHD USB-C Monitor	6N4D0AA
HP E27 G5 FHD Monitor	6N4E2AA
HP E27 G5 FHD Monitor	6N4E2AL
HP E27 G5 FHD Monitor	6N4E2AS
HP E27 G5 FHD Monitor	6N4E2E9
HP E27 G5 FHD PVC Free Monitor	6N4E2A5
HP E27k G5 4K USB-C Monitor	6N4C4AA
HP E27k G5 4K USB-C Monitor	6N4C4AS
HP E27k G5 4K USB-C Monitor	6N4C4E9
HP E27m G4 QHD USB-C Conferencing Monitor	40Z29A7
HP E27m G4 QHD USB-C Conferencing Monitor	40Z29AA
HP E27m G4 QHD USB-C Conferencing Monitor	40Z29AS
HP E27m G4 QHD USB-C Conferencing Monitor	40Z29E9
HP E27m G4 QHD USB-C Conferencing Monitor	B20C6AS
HP E27u G5 QHD USB-C Monitor	6N4D3AA
HP E32k G5 4K USB-C Monitor	6N4D6AA
HP E32k G5 4K USB-C Monitor	6N4D6AS
HP E32k G5 4K USB-C Monitor	6N4D6E9
HP E32k G5 4K USB-C PVC Free Monitor	6N4D6A5
HP E34m G4 WQHD Curved USB-C Conferencing Monitor	40Z26A7
HP E34m G4 WQHD Curved USB-C Conferencing Monitor	40Z26AA
HP E45c G5 DQHD Curved Monitor	6N4C1AA
HP E45c G5 DQHD Curved Monitor	6N4C1AS
HP E45c G5 DQHD Curved Monitor	6N4C1E9

Business LCD Monitors

HP P204v 19.5-inch Monitor	5RD66A7
HP P204v 19.5-inch Monitor	5RD66AA

Series 3 Pro

HP Series 3 Pro 21.45 inch FHD Monitor - 322pv	9U5A2A6
HP Series 3 Pro 21.45 inch FHD Monitor - 322pv	9U5A2AA
HP Series 3 Pro 21.45 inch FHD Monitor - 322pv	9U5A2AS
HP Series 3 Pro 21.5 inch FHD Monitor - 322pf	9U5B0AF
HP Series 3 Pro 21.5 inch FHD Monitor - 322pf	9U5B0AS
HP Series 3 Pro 21.5 inch FHD Monitor - 322pf	9U5B0UT
HP Series 3 Pro 23.8 inch FHD Monitor - 324pf	9U5J5AF
HP Series 3 Pro 23.8 inch FHD Monitor - 324pf	9U5J5AS
HP Series 3 Pro 23.8 inch FHD Monitor - 324pf	9U5J5UT
HP Series 3 Pro 23.8 inch FHD Monitor - 324pv	9U5C1A6
HP Series 3 Pro 23.8 inch FHD Monitor - 324pv	9U5C1AA
HP Series 3 Pro 23.8 inch FHD Monitor - 324pv	9U5C1AS

Series 5 Pro

HP Series 5 Pro 23.8 inch FHD Monitor - 524pf	9D9L6AL
HP Series 5 Pro 23.8 inch FHD Monitor - 524pf	9D9L6UT
HP Series 5 Pro 23.8 inch FHD Monitor - 524pf PVC Free	9D9L6A5
HP Series 5 Pro 23.8 inch FHD No Stand Monitor - 524pf	9D9L6A9
HP Series 5 Pro 23.8 inch FHD USB-C Monitor - 524pu	9D9V7AA
HP Series 5 Pro 23.8 inch FHD USB-C Monitor - 524pu	9D9V7AS
HP Series 5 Pro 23.8 inch FHD USB-C Monitor - 524pu	9D9V7E9
HP Series 5 Pro 23.8 inch FHD USB-C Monitor - 524pu PVC Free	9D9V7A5
HP Series 5 Pro 24 inch WUXGA Monitor - 524pn	9D9A7AA
HP Series 5 Pro 24 inch WUXGA Monitor - 524pn PVC Free	9D9A7A5
HP Series 5 Pro 27 inch QHD Monitor - 527pq	9D9S0UT
HP Series 5 Pro 27 inch QHD Monitor - 527pq PVC Free	9D9S0A5
HP Series 5 Pro 27 inch QHD No Stand Monitor - 527pq	9D9S0A9
HP Series 5 Pro 27 inch QHD USB-C Monitor - 527pu	9E0G5AA
HP Series 5 Pro 27 inch QHD USB-C Monitor - 527pu	9E0G5AS
HP Series 5 Pro 27 inch QHD USB-C Monitor - 527pu	9E0G5E9
HP Series 5 Pro 27 inch QHD USB-C Monitor - 527pu PVC Free	9E0G5A5

Series 7 Pro

HP Series 7 Pro 23.8 inch FHD Monitor - 724pf	8X530AA
HP Series 7 Pro 23.8 inch FHD Monitor - 724pf	8X530E9

HP Series 7 Pro 23.8 inch FHD Monitor - 724pf PVC Free	8X530A5
HP Series 7 Pro 24 inch WUXGA Monitor - 724pn	8X534AA
HP Series 7 Pro 24 inch WUXGA Monitor - 724pn	8X534E9
HP Series 7 Pro 24 inch WUXGA Monitor - 724pn PVC Free	8X534A5
HP Series 7 Pro 24 inch WUXGA USB-C Monitor - 724pu	8Y2F7AA
HP Series 7 Pro 24 inch WUXGA USB-C Monitor - 724pu	8Y2F7E9
HP Series 7 Pro 24 inch WUXGA USB-C Monitor - 724pu PVC Free	8Y2F7A5
HP Series 7 Pro 27 inch 4K Conferencing Monitor - 727pm	8K135AA
HP Series 7 Pro 27 inch 4K Conferencing Monitor - 727pm	8K135E9
HP Series 7 Pro 27 inch 4K Conferencing Monitor - 727pm PVC Free	8K135A5
HP Series 7 Pro 27 inch 4K Thunderbolt 4 Monitor - 727pk	8J9G2AA
HP Series 7 Pro 27 inch 4K Thunderbolt 4 Monitor - 727pk	8J9G2E9
HP Series 7 Pro 27 inch 4K Thunderbolt 4 Monitor - 727pk PVC Free	8J9G2A5
HP Series 7 Pro 27 inch QHD Monitor - 727pq	8J4D8E9
HP Series 7 Pro 27 inch QHD Monitor - 727pq	8J4D8UT
HP Series 7 Pro 27 inch QHD Monitor - 727pq PVC Free	8J4D8A5
HP Series 7 Pro 27 inch QHD Thunderbolt 4 Monitor - 727pu	8J9E6AA
HP Series 7 Pro 27 inch QHD Thunderbolt 4 Monitor - 727pu	8J9E6E9
HP Series 7 Pro 27 inch QHD Thunderbolt 4 Monitor - 727pu	8J9E6UT
HP Series 7 Pro 27 inch QHD Thunderbolt 4 Monitor - 727pu PVC Free	8J9E6A5
HP Series 7 Pro 31.5 inch 4K Thunderbolt 4 Monitor - 732pk	8Y2K9AA
HP Series 7 Pro 31.5 inch 4K Thunderbolt 4 Monitor - 732pk	8Y2K9E9
HP Series 7 Pro 31.5 inch 4K Thunderbolt 4 Monitor - 732pk PVC Free	8Y2K9A5
HP Series 7 Pro 34 inch WQHD Conferencing Monitor - 734pm	8K157E9
HP Series 7 Pro 34 inch WQHD Conferencing Monitor - 734pm	8K157UT
HP Series 7 Pro 34 inch WQHD Conferencing Monitor - 734pm PVC Free	8K157A5
HP Series 7 Pro 37.5 inch WQHD+ Thunderbolt 4 Monitor - 738pu	8K167AA
HP Series 7 Pro 37.5 inch WQHD+ Thunderbolt 4 Monitor - 738pu	8K167E9
HP Series 7 Pro 37.5 inch WQHD+ Thunderbolt 4 Monitor - 738pu PVC Free	8K167A5
HP Series 7 Pro 39.7 inch 5K2K Conferencing Monitor - 740pm PVC Free	8Y2R2A5
HP Series 7 Pro 39.7 inch 5K2K Conferencing Monitor-740pm	8Y2R2AA
HP Series 7 Pro 39.7 inch 5K2K Conferencing Monitor-740pm	8Y2R2E9

HP Home Monitors

HP Home Monitors

HP M27fq QHD Monitor	2H4B5AS
HP V24i G5 FHD Monitor	65P58AA

Series 3

HP Series 3 27 inch FHD Monitor - 327se	B7HS7AA
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Series 5

HP Series 5 23.8 inch FHD Monitor - 524sf	94C17AA
HP Series 5 23.8 inch FHD Monitor - 524sf	94C17E9
HP Series 5 23.8 inch FHD White Monitor - 524sw	94C21AA
HP Series 5 23.8 inch FHD White Monitor - 524sw	94C22AA
HP Series 5 27 inch FHD Height Adjust Monitor - 527sh	94C50E9
HP Series 5 27 inch FHD Monitor - 527sf	94F44AA
HP Series 5 27 inch FHD Monitor - 527sf	94F45AA
HP Series 5 27 inch FHD White Monitor - 527sw	94F46E9
HP Series 5 27 inch FHD White Monitor - 527sw	94F47A6
HP Series 5 27 inch FHD White Monitor - 527sw	94F47AA
HP Series 5 31.5 inch FHD Monitor - 532sf	94F50AS

OMEN by HP Displays

OMEN Transcend 31.5 inch UHD 240Hz OLED Gaming Monitor - OMEN Transcend 32	9R181AA
OMEN by HP 23.8 inch FHD 165Hz Gaming Monitor - OMEN 24	780D9AA
OMEN by HP 23.8 inch FHD 165Hz Gaming Monitor - OMEN 24	780F0A6
OMEN by HP 27 inch FHD 165Hz Gaming Monitor - OMEN 27	780F9E9
OMEN by HP 27 inch FHD 240Hz Gaming Monitor - OMEN 27s	780G5AS
OMEN by HP 27 inch FHD 240Hz Gaming Monitor - OMEN 27s	780G6AA
OMEN by HP 27 inch QHD 165Hz Gaming Monitor - OMEN 27q	780H4AA
OMEN by HP 27 inch QHD 240Hz Gaming Monitor - OMEN 27qs	780J4AS
OMEN by HP 31.5 inch QHD 165Hz Curved Gaming Monitor - OMEN 32c	780K7A6
OMEN by HP 31.5 inch QHD 165Hz Gaming Monitor - OMEN 32q	780K1AA

Accessories for PC

Video Devices

★ : Recommended

Video Devices

HP 320 FHD Webcam	53X26AA
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Mice/Pens/Other Pointing Devices

Wireless Mice

HP 430 Multi-Device Wireless Mouse	3B4Q2AA
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Keyboards/Other Input Devices

Wireless Combo

HP 650 Wireless Keyboard and Mouse Combo	4R013AA
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Port Replicators/Dongles/Docking

Port Replicators

HP Travel USB-C Multi Port Hub	1C1Y5AA
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HyperX Microphones

★ : Recommended

HyperX USB/XLR Microphones

HyperX FlipCast - USB/XLR Dynamic Microphone (Black)	B2CM1AA
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