



HP OmniBook 5 NGAI 16-ag1001na Copilot+ PC AMD Ryzen™ AI 5 340 Laptop 40.6 cm (16") 2K 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Silver

Brand : HP

Product family: OmniBook 5
NGAI

Product code: BG3K7EA

Product name : OmniBook 5
NGAI 16-ag1001na

- AMD Ryzen AI 5 340 (up to 4.8 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads)
 - Windows 11 Home
 - 40.6 cm (16") diagonal 2K display
 - AMD Radeon 840M Graphics
 - 16 GB LPDDR5x-7500 MT/s (onboard), 512 GB PCIe Gen4 NVMe M.2 SSD
- OmniBook 5 Laptop Next Gen AI 16-ag1001na, Windows 11 Home, 16", AMD Ryzen AI 5, 16GB RAM, 512GB SSD, 2K, Glacier silver

HP OmniBook 5 NGAI 16-ag1001na Copilot+ PC AMD Ryzen™ AI 5 340 Laptop 40.6 cm (16") 2K 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Silver:

Streamline your day with all the AI power you need.

Streamline your day with the HP OmniBook 5 Laptop AI PC, powered by the AMD Ryzen AI 300 Series Processor^[1] and up to 50 TOPS for seamless multitasking. Create and captivate on a stunning 2K display^[3], stay charged with HP Fast Charge^[4], connect easily via USB-C, and access AI instantly with the Copilot key^[5].



Design		Ports & interfaces	
Colour name	Glacier silver	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Product type *	Laptop	HDMI ports quantity *	1
Product colour *	Silver	HDMI version	2.1
Form factor *	Clamshell	Microphone in	✓
Market positioning	Everyday	Combo headphone/mic port	✓
Introduction year	2025	USB Type-C DisplayPort Alternate Mode	✓
Country of origin	China	USB Sleep-and-Charge	✓
Original brand name	HP	USB Sleep-and-Charge ports	2
Display		Performance	
Display diagonal *	40.6 cm (16")	Motherboard chipset	AMD SoC
Display resolution *	1920 x 1200 pixels	Keyboard	
Touchscreen *	✗	Pointing device	Touchpad
HD type	2K	Numeric keypad *	✓
Panel type	IPS	Keyboard backlit	✓
LED backlight	✓	Full-size keyboard	✓
Native aspect ratio	16:10	Keyboard colour name	Soft gray
Anti-glare screen	✓	Software	
Display bezel technology	Micro-Edge	Pre-installed software	Copilot in Windows with Copilot key, 1 month trial for new Microsoft 365 customers, McAfee Online Protection 30-day trial; 1-month Adobe free trial offer; PC Game Pass 3-month trial
Display brightness	300 cd/m²		100 GB Dropbox storage for 3 months
Display diagonal (metric)	40.6 cm		Operating system installed *
RGB colour space	sRGB	Brand-specific features	
Colour gamut	62.5%	HP Audio Boost	✓
sRGB coverage (typical)	62.5%	HP speaker type	HP Dual Speakers
Processor			
Processor manufacturer *	AMD		
Processor family *	AMD Ryzen™ AI 5		
Processor generation	AMD Ryzen AI 300 Series		
Processor model *	340		
Processor cores	6		
Processor threads	12		
Processor boost frequency	4.8 GHz		

Processor		Brand-specific features	
Processor frequency *	2 GHz	HP Imagepad	✓
Processor cache	16 MB	HP front camera	HP TrueVision FHD IR
Processor cache type	L3		Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
Neural processor unit (NPU)		HP Security tools	HP Support Assistant; HP Connection Optimizer; HP AI Companion
Copilot+ PC	✓	HP Software provided	Home
Neural processor unit (NPU)	AMD Ryzen AI	HP segment	199251075759
NPU performance up to	50 TOPs	HP GTIN (EAN/UPC)	
Memory		Battery	
Internal memory *	16 GB	Battery technology	Lithium Polymer (LiPo)
Internal memory type	LPDDR5x-SDRAM	Number of battery cells	3
Memory clock speed	7500 MHz	Battery capacity *	59 Wh
Memory form factor	On-board	Battery life (max)	14.75 h
Memory layout (slots x size)	Not available	Continuous video playback time (max)	16.75 h
Maximum internal memory *	16 GB	Fast charging	✓
Storage		Fast charging time (50%)	30 min
Total storage capacity *	512 GB	Power	
Storage media *	SSD	AC adapter power	65 W
Total SSDs capacity	512 GB	AC adapter frequency	50 - 60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	512 GB	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD)	✓
NVMe	✓	Security	
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Password protection	✓
Graphics		Password protection type	BIOS, Power on
Discrete graphics card model *	Not available	Sustainability	
On-board graphics card *	✓	Sustainability compliance	✓
On-board GPU manufacturer	AMD	Sustainability certificates	ENERGY STAR, EPEAT, EPEAT Gold
Discrete graphics card *	✗		Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard keycaps and scissors contain post-consumer recycled plastic; Recycled metal in cover, keyboard frame, sideband and hinge cap(s)
On-board graphics card family	AMD Radeon Graphics		
On-board graphics card model *	AMD Radeon 840M		
AMD FreeSync	✓		
Audio		Sustainable technologies and materials	
Audio system	DTS:X Ultra	Weight & dimensions	
Built-in speaker(s)	✓	Width	357.7 mm
Number of built-in speakers	2	Depth	254.8 mm
Built-in microphone	✓	Height (front)	1.79 cm
Number of microphones	2	Height (rear)	1.86 cm
Camera		Weight *	1.79 kg
Front camera	✓	Packaging data	
Front camera resolution	1920 x 1080 pixels	Package width	63 mm
Front camera HD type	Full HD	Package depth	504 mm
Infrared (IR) camera	✓	Package height	305 mm
Network		Package weight	2.52 kg
Wi-Fi	✓	Carbon footprint	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Total carbon footprint (kg of CO2e)	171.02
Wi-Fi standards	Wi-Fi 6 (802.11ax)	Carbon emissions, manufacturing (kg of CO2e)	156.308
Mobile network connection *	✗	Carbon emissions, logistics (kg of CO2e)	4.617
Antenna type	2x2	Carbon emissions, end-of-life (kg of CO2e)	0.526
WLAN controller manufacturer	Realtek	Total carbon emissions, w/o use phase (kg of CO2e)	9.569
Bluetooth	✓		
Bluetooth version	5.4		
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1		

Ports & interfaces		Packaging content	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1	AC adapter included *	✓
		Keyboard included	✓
Technical details			
General Product Safety Regulation (GPSR) URL		https://support.hp.com/us-en/document/ish_6126692-6126777-16?openCLC=true ; HP REG 23010, 08028 Barcelona, Spain ; reg@hp.com	
Other features			
UNSPSC-code		43211503	
Supplied AC adapter type		Matte finish	
Manufacturer warranty		1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.	



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