HP

HP ENVY 34-c1550nd Intel® Core™ i9 i9-12900 86.4 cm (34") 5120 x 2160 pixels All-in-One PC 128 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 3080 Windows 11 Home Wi-Fi 6 (802.11ax) Silver

Brand : HP　　　　**Product family:** ENVY　　　　**Product code:** 6M6Q8EA#ABH
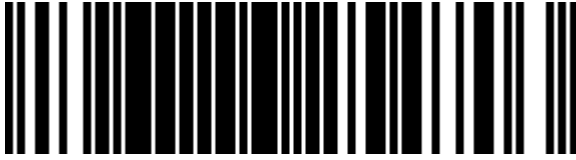
Product name : 34-c1550nd

HP ENVY 34-c1550nd. Product type: All-in-One PC. Display diagonal: 86.4 cm (34"), HD type: UltraWide Full HD, Display resolution: 5120 x 2160 pixels, Panel type: IPS. Processor family: Intel® Core™ i9, Processor frequency: 2.4 GHz. Internal memory: 128 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. Discrete graphics card model: NVIDIA GeForce RTX 3080. Built-in camera. Operating system installed: Windows 11 Home. Product colour: Silver

Display

Display diagonal *	86.4 cm (34")
Display resolution *	5120 x 2160 pixels
Touchscreen *	✘
HD type *	UltraWide Full HD
Native aspect ratio	21:9
Display brightness	500 cd/m²
Display surface	Matt
Panel type	IPS
RGB colour space	DCI-P3
Anti-glare screen	✔
Colour gamut	98%
Tilt angle range	-5 - 20°

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	12th gen Intel® Core™ i9
Processor model *	i9-12900
Processor cores	16
Processor threads	24
Processor boost frequency	5.1 GHz
Processor frequency *	2.4 GHz
Processor cache	30 MB
Processor cache type	L3
Bus type	DMI4

Memory

Internal memory *	128 GB
Internal memory type	DDR5-SDRAM
Memory slots	4
Memory slots type	SO-DIMM
Memory clock speed	3200 MHz
Memory layout (slots x size)	4 x 32 GB
Memory form factor	DIMM/SO-DIMM

Network

Bluetooth *	✔
Bluetooth version	5.0

Ports & interfaces

Ethernet LAN (RJ-45) ports	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
USB4 Gen 3x2 ports quantity *	2
Thunderbolt 4 ports quantity	2
HDMI ports quantity *	1
DisplayPorts quantity	1
Combo headphone/mic port	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	2

Design

Colour name	Turbo silver rear cover, dark chrome logo, turbo silver aluminum base and stand
Product colour *	Silver
Cable lock slot	✔
Cable lock slot type	Kensington
Introduction year	2022
Country of origin	China

Performance

Product type *	All-in-One PC
Market positioning	Premium
Motherboard chipset	Intel H670

Software

Operating system installed *	Windows 11 Home

Storage

Total storage capacity *	2 TB
Storage media *	SSD
Number of storage drives installed	1
Total SSDs capacity	2 TB
Number of SSDs installed	1
SSD capacity	2 TB
SSD memory type	TLC
SSD interface	PCI Express, NVMe
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔

Graphics

Discrete graphics card *	✔
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3080
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel UHD Graphics 770

Audio

Built-in speaker(s) *	✔
Number of speakers	2
RMS rated power	4 W
Speakers manufacturer	Bang & Olufsen
Built-in microphone	✔
Audio system	B&O PLAY

Camera

Built-in camera *	✔
Total megapixels	16 MP

Network

Wi-Fi *	✔
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
WLAN controller manufacturer	Intel
WLAN controller model	Intel Wi-Fi 6 AX201
Antenna type	2x2
Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s

Processor special features

Enhanced Intel SpeedStep Technology	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Stable Image Platform Program (SIPP)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔

Brand-specific features

HP segment	Home

Power

AC adapter power	330 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V

Weight & dimensions

Width (with stand)	817.2 mm
Depth (with stand)	223 mm
Height (with stand)	368.4 mm
Weight (with stand)	11 kg
Weight	11.1 kg
Package width	975 mm
Package depth	290 mm
Package height	665 mm
Package weight	17.4 kg

Sustainability

Sustainability compliance	✔
Sustainability certificates	ENERGY STAR, EPEAT Silver

Packaging content

Mouse included	✔
Mouse connectivity	Wireless
Keyboard included	✔
Keyboard connectivity	Wireless

Other features

Display bezel technology	Micro-Edge
Chassis type	All-in-One
Display diagonal (metric)	86.36 cm
Number of free internal memory expansion slots	4
Infrared (IR) camera	✔

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