



HP Spectre x360 14-ef0450nd Intel® Core™ i7 i7-1255U Hybrid (2-in-1) 34.3 cm (13.5") Touchscreen 3K2K 16 GB LPDDR4x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : HP

Product family: Spectre x360

Product code: 6F7T6EA#ABH

Product name : 14-ef0450nd



HP Spectre x360 14-ef0450nd. Product type: Hybrid (2-in-1), Form factor: Convertible (Folder). Processor family: Intel® Core™ i7, Processor model: i7-1255U, Processor frequency: 1.7 GHz. Display diagonal: 34.3 cm (13.5"), HD type: 3K2K, Display resolution: 3000 x 2000 pixels, Touchscreen. Internal memory: 16 GB, Internal memory type: LPDDR4x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. Operating system installed: Windows 11 Home. Product colour: Black

Design		Network	
Colour name	Nightfall black aluminum, pale brass accents	WLAN controller model	Intel Wi-Fi 6E AX211
Product type *	Hybrid (2-in-1)	WLAN controller manufacturer	Intel
Product colour *	Black	Bluetooth	✓
Form factor *	Convertible (Folder)	Bluetooth version	5.3
Market positioning	Premium	MIMO	✓
Introduction year	2022	MIMO type	Multi User MIMO
Country of origin	China	Ports & interfaces	
Original brand name	HP	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Display		Thunderbolt 4 ports quantity	2
Display diagonal *	34.3 cm (13.5")	Intel® Thunderbolt 4	✓
Display resolution *	3000 x 2000 pixels	Combo headphone/mic port	✓
Touchscreen *	✓	USB Type-C DisplayPort Alternate Mode	✓
HD type	3K2K	USB Sleep-and-Charge	✓
Panel type	UWVA	USB Sleep-and-Charge ports	3
LED backlight	✓	Performance	
Native aspect ratio	3:2	Motherboard chipset	Intel SoC
Display glass type	Edge to Edge Glass	Electronic compass	✓
Display bezel technology	Micro-Edge	Accelerometer	✓
Display brightness	500 cd/m ²	Gyroscope	✓
Display diagonal (metric)	34.3 cm	Temperature sensor	✓
RGB colour space	DCI-P3	Keyboard	
Colour gamut	100%	Pointing device	Touchpad
Processor		Numeric keypad *	✗
Processor manufacturer *	Intel	Keyboard backlight	✓
Processor family *	Intel® Core™ i7	Full-size keyboard	✓
Processor generation	12th gen Intel® Core™ i7	Keyboard layout	QWERTY
Processor model *	i7-1255U		
Processor cores	10		
Processor threads	12		

Processor		Software	
Processor boost frequency	4.7 GHz	Operating system installed *	Windows 11 Home
Processor frequency *	1.7 GHz	Processor special features	
Performance cores	2	Intel Flex Memory Access	✓
Efficient cores	8	Intel Trusted Execution Technology	✓
Performance-core Max Turbo Frequency	4.7 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Efficient-core Max Turbo Frequency	3.5 GHz	Execute Disable Bit	✓
Processor cache	12 MB	CPU configuration (max)	1
Processor cache type	Smart Cache	Embedded options available	✗
Configurable TDP-down	12 W	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor base power	15 W	Intel Virtualization Technology (VT-x)	✓
Maximum turbo power	55 W	Brand-specific features	
Memory		HP Audio Boost	✓
Internal memory *	16 GB	HP speaker type	HP Dual Speakers
Internal memory type	LPDDR4x-SDRAM	HP Imagepad	✓
Memory clock speed	4266 MHz	HP front camera	HP TrueVision 5MP IR
Memory form factor	On-board	HP segment	Home
Maximum internal memory *	16 GB	Battery	
ECC	✗	Battery technology	Lithium Polymer (LiPo)
Non-ECC	✓	Number of battery cells	4
Storage		Battery capacity *	66 Wh
Total storage capacity *	1 TB	Battery life (max)	11.75 h
Storage media *	SSD	Continuous video playback time	13.5 h
Total SSDs capacity	1 TB	Fast charging	✓
Number of SSDs installed	1	Fast charging time (50%)	45 min
SSD capacity	1 TB	Battery weight	275 g
SSD memory type	TLC	Power	
SSD interface	PCI Express, NVMe	AC adapter power	65 W
NVMe	✓	AC adapter frequency	50 - 60 Hz
SSD form factor	M.2	AC adapter input voltage	100 - 240 V
Optical drive type *	✗	USB Type-C charging port *	✓
Card reader integrated	✓	USB Power Delivery (USB PD)	✓
Compatible memory cards	MicroSD (TransFlash)	Security	
Graphics		Fingerprint reader	✓
Discrete graphics card model *	Not available	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	Intel	Password protection type	BIOS, Power on, User
Discrete graphics card *	✗	Sustainability	
On-board graphics card family	Intel Iris Xe Graphics	Sustainability compliance	✓
On-board graphics card model *	Intel Iris Xe Graphics	Sustainability certificates	EPEAT Gold, ENERGY STAR
Audio		Weight & dimensions	
Audio system	B&O PLAY	Width	298 mm
Built-in speaker(s)	✓	Depth	220.4 mm
Number of built-in speakers	4	Height	16.9 mm
Speakers manufacturer	Bang & Olufsen	Weight *	1.36 kg
Built-in microphone	✓	Packaging data	
Number of microphones	2	Package width	148 mm
Camera		Package depth	385 mm
Front camera	✓	Package height	315 mm
Front camera resolution (numeric)	5 MP	Package weight	3.41 kg
Infrared (IR) camera	✓	Packaging content	
Privacy camera	✓	Keyboard included	✓
Privacy type	Privacy shutter	Bag included	✓
Network			
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		
Wi-Fi standards	Wi-Fi 6E (802.11ax)		

Network		Other features	
Mobile network connection *	✘	Number of speakers	4
Antenna type	2x2	Colour sensor	✔



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