HP

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

Colour name	Nightfall black aluminum, pale brass accents
Product type *	Hybrid (2-in-1)
Product colour *	Black
Form factor *	Convertible (Folder)
Market positioning	Premium
Introduction year	2022
Country of origin	China
Original brand name	HP

Display

Display diagonal *	34.3 cm (13.5")
Display resolution *	3000 x 2000 pixels
Touchscreen *	✔
HD type	3K2K
Panel type	UWVA
LED backlight	✔
Native aspect ratio	3:2
Display glass type	Edge to Edge Glass
Display bezel technology	Micro-Edge
Display brightness	500 cd/m²
Display diagonal (metric)	34.3 cm
RGB colour space	DCI-P3
Colour gamut	100%

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	12th gen Intel® Core™ i7
Processor model *	i7-1255U
Processor cores	10
Processor threads	12

Network

WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Bluetooth	✔
Bluetooth version	5.3
MIMO	✔
MIMO type	Multi User MIMO

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	3

Performance

Motherboard chipset	Intel SoC
Electronic compass	✔
Accelerometer	✔
Gyroscope	✔
Temperature sensor	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✗
Keyboard backlit	✔
Full-size keyboard	✔
Keyboard layout	QWERTY

Processor

Processor boost frequency	4.7 GHz
Processor frequency *	1.7 GHz
Performance cores	2
Efficient cores	8
Performance-core Max Turbo Frequency	4.7 GHz
Efficient-core Max Turbo Frequency	3.5 GHz
Processor cache	12 MB
Processor cache type	Smart Cache
Configurable TDP-down	12 W
Processor base power	15 W
Maximum turbo power	55 W

Memory

Internal memory *	16 GB
Internal memory type	LPDDR4x-SDRAM
Memory clock speed	4266 MHz
Memory form factor	On-board
Maximum internal memory *	16 GB
ECC	✘
Non-ECC	✔

Storage

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

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✘
On-board graphics card family	Intel Iris Xe Graphics
On-board graphics card model *	Intel Iris Xe Graphics

Audio

Audio system	B&O PLAY
Built-in speaker(s)	✔
Number of built-in speakers	4
Speakers manufacturer	Bang & Olufsen
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution (numeric)	5 MP
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)

Software

Operating system installed *	Windows 11 Home

Processor special features

Intel Flex Memory Access	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Execute Disable Bit	✔
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 Audio Boost	✔
HP speaker type	HP Dual Speakers
HP Imagepad	✔
HP front camera	HP TrueVision 5MP IR
HP segment	Home

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	66 Wh
Battery life (max)	11.75 h
Continuous video playback time	13.5 h
Fast charging	✔
Fast charging time (50%)	45 min
Battery weight	275 g

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB Type-C charging port *	✔
USB Power Delivery (USB PD)	✔

Security

Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	BIOS, Power on, User

Sustainability

Sustainability compliance	✔
Sustainability certificates	EPEAT Gold, ENERGY STAR

Weight & dimensions

Width	298 mm
Depth	220.4 mm
Height	16.9 mm
Weight *	1.36 kg

Packaging data

Package width	148 mm
Package depth	385 mm
Package height	315 mm
Package weight	3.41 kg

Packaging content

Keyboard included	✔
Bag included	✔

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

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