



# HP OMEN 16-n0382nd AMD Ryzen™ 7 6800H Laptop 40.9 cm (16.1") Full HD 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3060 Wi-Fi 6 (802.11ax) Windows 11 Home Black

Brand : HP

Product family: OMEN

Product code: 6L9B6EA#ABH

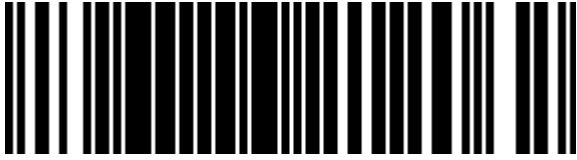
Product name : 16-n0382nd

HP OMEN 16-n0382nd. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 7, Processor model: 6800H, Processor frequency: 3.2 GHz. Display diagonal: 40.9 cm (16.1"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 680M. Operating system installed: Windows 11 Home. Product colour: Black



Design		Network	
Colour name	Mica silver cover and base, mica silver aluminum keyboard frame	Mobile network connection *	✗
Product type *	Laptop	Antenna type	2x2
Product colour *	Black	WLAN controller model	MediaTek MT7921
Form factor *	Clamshell	WLAN controller manufacturer	MediaTek
Market positioning	Gaming	Ethernet LAN	✓
Introduction year	2022	Ethernet LAN data rates	10,100,1000 Mbit/s
Country of origin	China	Bluetooth	✓
Original brand name	HP	Bluetooth version	5.2
<b>Display</b>		MIMO	✓
Display diagonal *	40.9 cm (16.1")	MIMO type	Multi User MIMO
Display resolution *	1920 x 1080 pixels	Cabling technology	10/100/1000Base-T(X)
Touchscreen *	✗	<b>Ports &amp; interfaces</b>	
HD type	Full HD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Panel type	IPS	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
Native aspect ratio	16:9	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Anti-glare screen	✓	Ethernet LAN (RJ-45) ports	1
Display bezel technology	Micro-Edge	HDMI ports quantity *	1
Display brightness	300 cd/m <sup>2</sup>	HDMI version	2.1
Display diagonal (metric)	40.9 cm	Combo headphone/mic port	✓
RGB colour space	sRGB	USB Type-C DisplayPort Alternate Mode	✓
Colour gamut	100%	USB Sleep-and-Charge	✓
Display response rise/fall	7 ms	USB Sleep-and-Charge ports	3
Maximum refresh rate	144 Hz	<b>Performance</b>	
<b>Processor</b>		Motherboard chipset	AMD SoC
Processor manufacturer *	AMD	Ambient light sensor	✓
Processor family *	AMD Ryzen™ 7	Temperature sensor	✓
Processor generation	AMD Ryzen 6000 Series		
Processor model *	6800H		
Processor cores	8		
Processor threads	16		

<b>Processor</b>		<b>Keyboard</b>	
Processor boost frequency	4.7 GHz	Pointing device	Touchpad
Processor frequency *	3.2 GHz	Numeric keypad *	✗
Processor cache	16 MB	Keyboard backlit	✓
Processor cache type	L3	Keyboard backlit zone	4-zone RGB
<b>Memory</b>		Full-size keyboard	✓
Internal memory *	16 GB	Keyboard layout	QWERTY
Internal memory type	DDR5-SDRAM	<b>Software</b>	
Memory clock speed	4800 MHz	Operating system installed *	Windows 11 Home
Memory layout (slots x size)	2 x 8 GB	Bundled software	McAfee LiveSafe; Dropbox
Memory slots	2x SO-DIMM	<b>Brand-specific features</b>	
Memory slots (available)	2	HP Audio Boost	✓
Number of free internal memory expansion slots	2	HP speaker type	HP Dual Speakers
ECC	✗	HP Smart AC Adapter	✓
Non-ECC	✓	HP Imagepad	✓
<b>Storage</b>		HP front camera	HP Wide Vision HD
Total storage capacity *	1 TB	HP segment	Home
Storage media *	SSD	<b>Battery</b>	
Total SSDs capacity	1 TB	Battery technology	Lithium Polymer (LiPo)
Number of SSDs installed	1	Number of battery cells	4
SSD capacity	1 TB	Battery capacity *	70 Wh
SSD memory type	TLC	Battery life (max)	9 h
SSD interface	NVMe	Continuous video playback time	11.75 h
NVMe	✓	Fast charging	✓
SSD form factor	M.2	Fast charging time (50%)	30 min
Optical drive type *	✗	Battery weight	315 g
Card reader integrated	✓	<b>Power</b>	
Compatible memory cards	SD	AC adapter power	280 W
<b>Graphics</b>		AC adapter frequency	50 - 60 Hz
Discrete GPU manufacturer	NVIDIA	AC adapter input voltage	100 - 240 V
Discrete graphics card model *	NVIDIA GeForce RTX 3060	USB Type-C charging port *	✓
Discrete graphics card memory	6 GB	USB Power Delivery (USB PD)	✓
Discrete graphics memory type	GDDR6	<b>Security</b>	
On-board graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board GPU manufacturer	AMD	Password protection	✓
Discrete graphics card *	✓	Password protection type	BIOS, Power on, User
On-board graphics card model *	AMD Radeon 680M	<b>Sustainability</b>	
NVIDIA Max-Q	✓	Sustainability compliance	✓
AMD FreeSync	✓	Sustainability certificates	ENERGY STAR, EPEAT Silver
<b>Audio</b>		<b>Weight &amp; dimensions</b>	
Audio system	B&O PLAY	Width	369 mm
Built-in speaker(s)	✓	Depth	248 mm
Number of built-in speakers	2	Height	23 mm
Speakers manufacturer	Bang & Olufsen	Weight *	2.41 kg
Built-in microphone	✓	<b>Packaging data</b>	
Number of microphones	2	Package width	69 mm
<b>Camera</b>		Package depth	552 mm
Front camera	✓	Package height	345 mm
Front camera signal format	720p	Package weight	3.86 kg
Front camera HD type	HD	<b>Packaging content</b>	
<b>Network</b>		Keyboard included	✓
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	<b>Other features</b>	
Wi-Fi standards	Wi-Fi 6 (802.11ax)	Number of speakers	2



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