



HP OMEN 15-ek1620nd Intel® Core™ i7 i7-10750H Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3060 Wi-Fi 6 (802.11ax) Windows 10 Home Black

Brand : HP

Product family: OMEN

Product code: 443U9EA#ABH

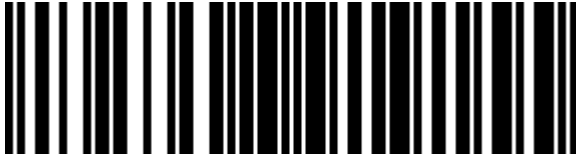
Product name : 15-ek1620nd



HP OMEN 15-ek1620nd. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-10750H, Processor frequency: 2.6 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 10 Home. Product colour: Black

Design		Network	
Product type *	Laptop	Bluetooth version	5.0
Product colour *	Black	Miracast	✓
Form factor *	Clamshell	MIMO	✓
Market positioning	Gaming	MIMO type	Multi User MIMO
Country of origin	China	Ports & interfaces	
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Display diagonal *	39.6 cm (15.6")	Ethernet LAN (RJ-45) ports	1
Display resolution *	1920 x 1080 pixels	HDMI ports quantity *	1
Touchscreen *	✗	HDMI version	2.1
HD type	Full HD	Mini DisplayPorts quantity	1
Panel type	IPS	Thunderbolt 3 ports quantity	1
LED backlight	✓	Combo headphone/mic port	✓
Native aspect ratio	16:9	USB Type-C DisplayPort Alternate Mode	✓
Anti-glare screen	✓	USB Sleep-and-Charge	✓
Display bezel technology	Micro-Edge	USB Sleep-and-Charge ports	2
Display brightness	300 cd/m ²	Performance	
Display diagonal (metric)	39.6 cm	Motherboard chipset	Intel HM470
RGB colour space	NTSC	Temperature sensor	✓
Colour gamut	72%	Keyboard	
Display response rise/fall	7 ms	Pointing device	Touchpad
Maximum refresh rate	144 Hz	Numeric keypad *	✗
Processor		Keyboard backlight	✓
Processor manufacturer *	Intel	Keyboard backlit colour	RGB
Processor family *	Intel® Core™ i7	Full-size keyboard	✓
Processor generation	10th gen Intel® Core™ i7	Keyboard layout	QWERTY
Processor model *	i7-10750H	Software	
Processor cores	6	Operating system architecture	64-bit
Processor threads	12	Operating system installed *	Windows 10 Home
Processor boost frequency	5 GHz		
Processor frequency *	2.6 GHz		
Processor cache	12 MB		

Processor		Processor special features	
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Configurable TDP-down	35 W	Intel Flex Memory Access	✓
Memory		Intel Trusted Execution Technology	✗
Internal memory *	16 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✗
Memory clock speed	2933 MHz	Intel Software Guard Extensions (Intel SGX)	✓
Memory form factor	SO-DIMM	Intel 64	✓
Memory layout (slots x size)	2 x 8 GB	Execute Disable Bit	✓
Memory slots	2x SO-DIMM	Idle States	✓
Memory slots (available)	2	CPU configuration (max)	1
Maximum internal memory *	32 GB	Embedded options available	✗
ECC	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage		Intel Virtualization Technology (VT-x)	✓
Total storage capacity *	512 GB	Brand-specific features	
Storage media *	SSD	HP Audio Boost	✓
Total SSDs capacity	512 GB	HP speaker type	HP Dual Speakers
Number of SSDs installed	1	HP Smart AC Adapter	✓
SSD capacity	512 GB	HP Imagepad	✓
SSD interface	PCI Express, NVMe	HP front camera	HP Wide Vision HD
NVMe	✓	HP segment	Home
SSD form factor	M.2	Battery	
Optical drive type *	✗	Battery technology	Lithium Polymer (LiPo)
Card reader integrated	✓	Number of battery cells	6
Compatible memory cards	SD	Battery capacity *	70.9 Wh
Graphics		Fast charging	✓
Discrete GPU manufacturer	NVIDIA	Fast charging time (50%)	45 min
Discrete graphics card model *	NVIDIA GeForce RTX 3060	Battery weight	270 g
Discrete graphics card memory	6 GB	Power	
Discrete graphics memory type	GDDR6	AC adapter power	200 W
On-board graphics card *	✓	DC-in jack	✓
On-board GPU manufacturer	Intel	Security	
Discrete graphics card *	✓	Fingerprint reader	✗
On-board graphics card model *	Intel® UHD Graphics	Sustainability	
Audio		Sustainability certificates	ENERGY STAR, EPEAT Silver
Audio system	Bang & Olufsen	Weight & dimensions	
Number of built-in speakers	2	Width	357.9 mm
Built-in microphone	✓	Depth	239.7 mm
Number of microphones	2	Height	22.9 mm
Camera		Weight *	2.45 kg
Front camera	✓	Packaging data	
Front camera HD type	HD	Package width	69 mm
Network		Package depth	520 mm
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Package height	305 mm
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Package weight	3.65 kg
Mobile network connection *	✗	Logistics data	
Antenna type	2x2	Harmonized System (HS) code	84713000
WLAN controller model	Intel Wi-Fi 6 AX201		
WLAN controller manufacturer	Intel		
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		



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