



OMEN by HP 45L GT22-1020na Intel® Core™ i7 i7-13700K 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4080 Windows 11 Home Tower PC Black

Brand : HP

Product family: OMEN by HP

Product code: 8C6U2EA

Product name : 45L GT22-1020na

- Intel® Core™ i7-13700K (up to 5.4 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads)
 - Windows 11 Home
 - NVIDIA® GeForce RTX™ 4080 SUPER (16 GB GDDR6X dedicated)
 - 32 GB memory; 2 TB SSD storage
- OMEN by HP 45L Gaming Desktop GT22-1020na PC, Windows 11 Home, Intel® Core™ i7, 32GB RAM, 2TB SSD, NVIDIA® GeForce RTX™ 4080

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Extremely cool inside and out

Built for extreme performance, the OMEN by HP 45L Gaming Desktop PC is designed for gaming from the ground up. Powered by the latest Intel® Processor¹¹, the OMEN by HP gaming desktop takes cooling to incredible heights with a unique cooling chamber. Created for easy tool-less upgradeability with industry standard components to meet your gaming needs.



Processor		Ports & interfaces	
Processor manufacturer *	Intel	DisplayPorts quantity	3
Processor family *	Intel® Core™ i7	Ethernet LAN (RJ-45) ports	1
Processor generation	13th gen Intel® Core™ i7	Microphone in	✓
Processor model *	i7-13700K	Line-out	✓
Processor cores	16	Line-in	✓
Processor cores	16	Combo headphone/mic port	✓
Processor threads	24		
Processor boost frequency	5.4 GHz	Expansion slots	
Processor frequency *	3.4 GHz	PCI Express x4 slots	3
Processor cache	30 MB	PCI Express x16 slots	1
Processor cache type	L3	Design	
Bus type	DMI4	Chassis type *	Tower
Number of processors installed	1	Colour name	Black, glass side panel, dark chrome logo
Memory		Water cooling system	✓
Internal memory *	32 GB	Product colour *	Black
Maximum internal memory *	128 GB	RGB memory lighting	✓
Internal memory type	DDR5-SDRAM	Performance	
Memory layout (slots x size)	2 x 16 GB	Market positioning	Gaming
Memory slots	4x DIMM	Motherboard chipset	Intel Z790
Memory clock speed	5200 MHz	Motherboard form factor	micro ATX
Internal memory manufacturer	Kingston	Audio system	DTS:X Ultra
Storage		Audio output channels	5.1 channels
Total storage capacity *	2 TB	Password protection	✓
Storage media *	SSD		

Storage		Performance	
Optical drive type *	✘	Password protection type	BIOS, Power on, User
Number of storage drives installed	1	Product type *	PC
Total SSDs capacity	2 TB	Software	
Number of SSDs installed	1	Operating system installed *	Windows 11 Home
SSD capacity	2 TB		ExpressVPN (30 day free trial);
SSD memory type	TLC		LastPass Premium (30 day free trial), 1 month trial for new
SSD interface	PCI Express	Pre-installed software	Microsoft 365 customers, McAfee Online Protection 30-day trial; Xbox Game Pass 1-month free trial
SSD form factor	M.2		
Graphics		Trial software	25 GB Dropbox storage for 12 months
Discrete graphics card *	✓	Processor special features	
Discrete GPU manufacturer	NVIDIA	CPU configuration (max)	1
On-board graphics card *	✓	Intel Extreme Memory Profile (XMP)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Brand-specific features	
Discrete graphics card memory	16 GB	HP Security tools	Chassis side cover lock
Discrete graphics memory type	GDDR6X	HP Software provided	HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub; HP Enhanced Lighting; myHP
Number of discrete graphics cards	1	HP GTIN (EAN/UPC)	197497299076
On-board GPU manufacturer	Intel	HP segment	Home
On-board graphics card model *	Intel UHD Graphics 770	Power	
Network		Power supply *	1200 W
Ethernet LAN *	✓	80 PLUS certification	80 PLUS Gold
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability	
Cabling technology	10/100/1000Base-T(X)	Sustainability compliance	✓
Wi-Fi *	✓	Sustainability certificates	ENERGY STAR, EPEAT Gold
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Sustainable technologies and materials	Water based paint
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Weight & dimensions	
WLAN controller manufacturer	Intel	Width *	204 mm
WLAN controller model	Intel Wi-Fi 6E AX211	Depth *	470 mm
Antenna type	2x2	Height *	555 mm
Bluetooth	✓	Weight *	22.6 kg
Bluetooth version	5.3	Package width	592 mm
Ports & interfaces		Package depth	328 mm
USB 2.0 ports quantity *	4	Package height	672 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Package weight	25.2 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Packaging content	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Display included *	✘
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Logistics data	
HDMI ports quantity *	1	Harmonized System (HS) code	8471500000
		Carbon footprint	
		Total carbon footprint (kg of CO2e)	220
		Carbon emissions, manufacturing (kg of CO2e)	132
		Carbon emissions, logistics (kg of CO2e)	2
		Carbon emissions, end-of-life (kg of CO2e)	2
		Total carbon emissions, w/o use phase (kg of CO2e)	86



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