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® Processor[1], 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 threads	24	Combo headphone/mic port	✔
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		
Number of processors installed	1	Chassis type *	Tower
Memory		Colour name	Black, glass side panel, dark chrome logo
Internal memory *	32 GB	Water cooling system	✔
Maximum internal memory *	128 GB	Product colour *	Black
Internal memory type	DDR5-SDRAM	RGB memory lighting	✔
Memory layout (slots x size)	2 x 16 GB	**Performance**	
Memory slots	4x DIMM		
Memory clock speed	5200 MHz	Market positioning	Gaming
Internal memory manufacturer	Kingston	Motherboard chipset	Intel Z790
Storage		Motherboard form factor	micro ATX
		Audio system	DTS:X Ultra
Total storage capacity *	2 TB	Audio output channels	5.1 channels
Storage media *	SSD	Password protection	✔

Storage

Optical drive type *	✘
Number of storage drives installed	1
Total SSDs capacity	2 TB
Number of SSDs installed	1
SSD capacity	2 TB
SSD memory type	TLC
SSD interface	PCI Express
SSD form factor	M.2

Graphics

Discrete graphics card *	✔
Discrete GPU manufacturer	NVIDIA
On-board graphics card *	✔
Discrete graphics card model *	NVIDIA GeForce RTX 4080
Discrete graphics card memory	16 GB
Discrete graphics memory type	GDDR6X
Number of discrete graphics cards	1
On-board GPU manufacturer	Intel
On-board graphics card model *	Intel UHD Graphics 770

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
WLAN controller manufacturer	Intel
WLAN controller model	Intel Wi-Fi 6E AX211
Antenna type	2x2
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
HDMI ports quantity *	1

Performance

Password protection type	BIOS, Power on, User
Product type *	PC

Software

Operating system installed *	Windows 11 Home
Pre-installed software	ExpressVPN (30 day free trial); LastPass Premium (30 day free trial), 1 month trial for new Microsoft 365 customers, McAfee Online Protection 30-day trial; Xbox Game Pass 1-month free trial
Trial software	25 GB Dropbox storage for 12 months

Processor special features

CPU configuration (max)	1
Intel Extreme Memory Profile (XMP)	✔

Brand-specific features

HP Security tools	Chassis side cover lock
HP Software provided	HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub; HP Enhanced Lighting; myHP
HP GTIN (EAN/UPC)	197497299076
HP segment	Home

Power

Power supply *	1200 W
80 PLUS certification	80 PLUS Gold

Sustainability

Sustainability compliance	✔
Sustainability certificates	ENERGY STAR, EPEAT Gold
Sustainable technologies and materials	Water based paint

Weight & dimensions

Width *	204 mm
Depth *	470 mm
Height *	555 mm
Weight *	22.6 kg
Package width	592 mm
Package depth	328 mm
Package height	672 mm
Package weight	25.2 kg

Packaging content

Display included *	✘

Logistics data

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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