



HP OMEN GT21-1020na Intel® Core™ i7 i7-13700K 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4070 Windows 11 Home Tower PC Black

Brand : HP

Product family: OMEN

Product code: 8C6T8EA

Product name : GT21-1020na

- 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™ 4070 Ti (12 GB GDDR6X dedicated)
 - 64 GB memory; 2 TB SSD storage
- OMEN 40L Desktop GT21-1020na PC, Windows 11 Home, Intel® Core™ i7, 64GB RAM, 2TB SSD, NVIDIA® GeForce RTX™ 4070

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Elevate your game to new heights

The OMEN by HP 40L Gaming Desktop is the ultimate companion on your gaming journey. Powered by the latest Intel® Processor^[1] and advanced graphics, the OMEN Desktop has a superior cooling system that prevents overheating. Designed for easy tool-less upgradeability, the OMEN Desktop will give you the top-tier performance to meet your gaming needs.



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	4
Processor family *	Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Processor generation	13th gen Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor model *	i7-13700K	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor threads	24	DisplayPorts quantity	3
Processor boost frequency	5.4 GHz	Ethernet LAN (RJ-45) ports	1
Performance-core Max Turbo Frequency	5.3 GHz	Microphone in	✓
Efficient-core Max Turbo Frequency	4.2 GHz	Line-out	✓
Performance-core base frequency	3.4 GHz	Line-in	✓
Efficient-core base frequency	2.5 GHz	Combo headphone/mic port	✓
Processor cache	30 MB	Expansion slots	
Processor cache type	L3	PCI Express x4 slots	3
Bus type	DMI4	PCI Express x16 slots	1
Number of processors installed	1	Design	
Memory		Chassis type *	Tower
Internal memory *	64 GB	Colour name	Black, glass side panel, dark chrome logo
Maximum internal memory *	128 GB	Water cooling system	✓
Internal memory type	DDR5-SDRAM	Product colour *	Black
Memory layout (slots x size)	4 x 16 GB		
Memory slots	4x DIMM		
Memory clock speed	5200 MHz		
Internal memory manufacturer	HyperX		

Storage		Design	
Total storage capacity *	2 TB	RGB memory lighting	✓
Storage media *	SSD	Introduction year	2023
Optical drive type *	✗	Performance	
Number of storage drives installed	1	Market positioning	Gaming
Total SSDs capacity	2 TB	Motherboard chipset	Intel Z790
Number of SSDs installed	1	Motherboard form factor	micro ATX
SSD capacity	2 TB	Audio system	DTS:X Ultra
SSD memory type	TLC	Audio output channels	5.1 channels
SSD interface	PCI Express	Password protection	✓
SSD form factor	M.2	Password protection type	BIOS, Power on, User
Graphics		Product type *	PC
Discrete graphics card *	✓	Software	
Discrete GPU manufacturer	NVIDIA	Operating system installed *	Windows 11 Home
On-board graphics card *	✓	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	
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Pre-installed software	25 GB Dropbox storage for 12 months
Discrete graphics card memory	12 GB	Trial software	
Discrete graphics memory type	GDDR6X	Processor special features	
Number of discrete graphics cards	1	CPU configuration (max)	1
On-board GPU manufacturer	Intel	Intel Extreme Memory Profile (XMP)	✓
On-board graphics card model *	Intel UHD Graphics 770	Brand-specific features	
Graphics card HDMI ports quantity	1	HP Support Assistant	✓
Graphics card DisplayPorts quantity	3	HP Security tools	Chassis side cover lock
Network		HP Software provided	HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub; HP Enhanced Lighting; myHP
Ethernet LAN *	✓	HP GTIN (EAN/UPEC)	197497299489
Ethernet LAN data rates	10,100,1000 Mbit/s	HP segment	Home
Cabling technology	10/100/1000Base-T(X)	Power	
Wi-Fi *	✓	Power supply *	800 W
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Power supply input voltage	100 - 240 V
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Power supply input frequency	50 - 60 Hz
WLAN controller manufacturer	Intel	80 PLUS certification	80 PLUS Gold
WLAN controller model	Intel Wi-Fi 6E AX211	Sustainability	
Antenna type	2x2	Sustainability compliance	✓
Bluetooth	✓	Sustainability certificates	ENERGY STAR, EPEAT Gold
Bluetooth version	5.2	Sustainable technologies and materials	Water based paint
		Weight & dimensions	
		Width *	204 mm
		Depth *	470 mm
		Height *	467 mm
		Weight *	18.7 kg
		Package width	592 mm
		Package depth	328 mm
		Package height	582 mm
		Package weight	19.3 kg
		Packaging content	
		Display included *	✗
		Logistics data	
		Harmonized System (HS) code	8471500000



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