



# HP OMEN 40L 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

HP OMEN 40L GT21-1020na Intel® Core™ i7 i7-13700K 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4070 Windows 11 Home Tower PC Black:

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<sup>™</sup> 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.

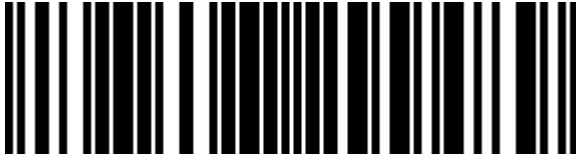


Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor family *	Intel® Core™ i7	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor generation	13th gen Intel® Core™ i7	DisplayPorts quantity	3
Processor model *	i7-13700K	Ethernet LAN (RJ-45) ports	1
Processor cores	16	Microphone in	✓
Processor threads	24	Line-out	✓
Processor boost frequency	5.4 GHz	Line-in	✓
Performance-core Max Turbo Frequency	5.3 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	4.2 GHz	<b>Expansion slots</b>	
Performance-core base frequency	3.4 GHz	PCI Express x4 slots	3
Efficient-core base frequency	2.5 GHz	PCI Express x16 slots	1
Processor cache	30 MB	<b>Design</b>	
Processor cache type	L3	Chassis type *	Tower
Bus type	DMI4	Colour name	Black, glass side panel, dark chrome logo
Number of processors installed	1	Water cooling system	✓
<b>Memory</b>		Product colour *	Black
Internal memory *	64 GB	RGB memory lighting	✓
Maximum internal memory *	128 GB	Introduction year	2023
Internal memory type	DDR5-SDRAM	<b>Performance</b>	
Memory layout (slots x size)	4 x 16 GB	Market positioning	Gaming
Memory slots	4x DIMM		
Memory clock speed	5200 MHz		
Internal memory manufacturer	HyperX		

<b>Storage</b>		<b>Performance</b>	
Total storage capacity *	2 TB	Motherboard chipset	Intel Z790
Storage media *	SSD	Motherboard form factor	micro ATX
Optical drive type *	✗	Audio system	DTS:X Ultra
Number of storage drives installed	1	Audio output channels	5.1 channels
Total SSDs capacity	2 TB	Password protection	✓
Number of SSDs installed	1	Password protection type	BIOS, Power on, User
SSD capacity	2 TB	Product type *	PC
SSD memory type	TLC	<b>Software</b>	
SSD interface	PCI Express	Operating system installed *	Windows 11 Home
SSD form factor	M.2	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
<b>Graphics</b>		Trial software	25 GB Dropbox storage for 12 months
Discrete graphics card *	✓	<b>Processor special features</b>	
Discrete GPU manufacturer	NVIDIA	CPU configuration (max)	1
On-board graphics card *	✓	Intel Extreme Memory Profile (XMP)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4070	<b>Brand-specific features</b>	
Discrete graphics card memory	12 GB	HP Support Assistant	✓
Discrete graphics memory type	GDDR6X	HP Security tools	Chassis side cover lock
Number of discrete graphics cards	1	HP Software provided	HP Connection Optimizer; HP Support Assistant; OMEN Gaming Hub; HP Enhanced Lighting; myHP
On-board GPU manufacturer	Intel	HP GTIN (EAN/UPC)	197497299489
On-board graphics card model *	Intel UHD Graphics 770	HP segment	Home
Graphics card HDMI ports quantity	1	<b>Power</b>	
Graphics card DisplayPorts quantity	3	Power supply *	800 W
<b>Network</b>		Power supply input voltage	100 - 240 V
Ethernet LAN *	✓	Power supply input frequency	50 - 60 Hz
Ethernet LAN data rates	10,100,1000 Mbit/s	80 PLUS certification	80 PLUS Gold
Cabling technology	10/100/1000Base-T(X)	<b>Sustainability</b>	
Wi-Fi *	✓	Sustainability compliance	✓
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Sustainability certificates	ENERGY STAR, EPEAT Gold
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Sustainable technologies and materials	Water based paint
WLAN controller manufacturer	Intel	<b>Weight &amp; dimensions</b>	
WLAN controller model	Intel Wi-Fi 6E AX211	Width *	204 mm
Antenna type	2x2	Depth *	470 mm
Bluetooth	✓	Height *	467 mm
Bluetooth version	5.2	Weight *	18.7 kg
<b>Ports &amp; interfaces</b>		Package width	592 mm
USB 2.0 ports quantity *	4	Package depth	328 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Package height	582 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Package weight	19.3 kg
		<b>Packaging content</b>	
		Display included *	✗
		<b>Logistics data</b>	
		Harmonized System (HS) code	8471500000
		<b>Carbon footprint</b>	
		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

## Carbon footprint

Total carbon emissions, w/o use phase (kg of CO<sub>2</sub>e) 86



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