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
Performance-core base frequency	3.4 GHz	DisplayPorts quantity	3
Efficient-core base frequency	2.5 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core Max Turbo Frequency	4.2 GHz	Microphone in	✓
Performance-core Max Turbo Frequency	5.3 GHz	Line-out	✓
Processor boost frequency	5.4 GHz	Line-in	✓
Processor cache	30 MB	Combo headphone/mic port	✓
Processor cache type	L3	**Expansion slots**	
Processor threads	24	PCI Express x4 slots	1
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

Total storage capacity *	2 TB
Storage media *	SSD
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 4070
Discrete graphics memory type	GDDR6X
Discrete graphics card memory	12 GB
Number of discrete graphics cards	1
On-board GPU manufacturer	Intel
On-board graphics card model *	Intel UHD Graphics 770
Graphics card HDMI ports quantity	1
Graphics card DisplayPorts quantity	3

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
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	5.2

Design

RGB memory lighting	✔
Introduction year	2023

Performance

Market positioning	Gaming
Motherboard chipset	Intel Z790
Motherboard form factor	micro ATX
Audio system	DTS:X Ultra
Audio output channels	5.1 channels
Password protection	✔
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 Support Assistant	✔
HP Security tools	Chassis side cover lock
HP Software provided	HP Connection Optimizer; HP Support Assistant; HP QuickDrop; OMEN Gaming Hub; HP Enhanced Lighting; MyHP
HP GTIN (EAN/UPC)	197497299489
HP segment	Home

Power

Power supply *	800 W
Power supply input voltage	100 - 240 V
Power supply input frequency	50 - 60 Hz

Sustainability

Sustainability compliance	✔
Sustainability certificates	EPEAT Gold, ENERGY STAR
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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