OMEN by HP 45L GT22-1019na AMD Ryzen™ 7 7700X 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Windows 11 Home Tower PC Black

Brand : HP

Product family: OMEN by HP

Product code: 8C6U1EA

Product name : 45L GT22-1019na

- AMD Ryzen™ 7 7700X (up to 5.4 GHz max boost clock, 32 MB L3 cache, 8 cores, 16 threads)
- Windows 11 Home
- NVIDIA® GeForce RTX™ 4080 (16 GB GDDR6X dedicated)
- 32 GB memory; 1 TB SSD storage

OMEN by HP 45L Gaming Desktop GT22-1019na PC, Windows 11 Home, AMD Ryzen™ 7, 32GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 4080

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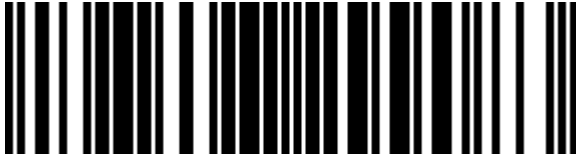
Extremely cool inside and out
Built for extreme performance, the OMEN by HP 45L Gaming Desktop PC is designed for gaming from the ground up. Powered by the latest AMD Processor[1], the OMEN by HP gaming desktop takes cooling to incredible heights with a unique cooling chamber. Created for easy tool-less upgradeability with industry standard components to meet your gaming needs.

Processor

Processor manufacturer *	AMD
Processor family *	AMD Ryzen™ 7
Processor model *	7700X
Processor cores	8
Processor threads	16
Processor boost frequency	5.4 GHz
Processor frequency *	4.5 GHz
Processor cache	32 MB
Processor cache type	L3

Memory

Internal memory *	32 GB
Maximum internal memory *	128 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	2 x 16 GB
Memory slots	4x DIMM
Memory clock speed	5200 MHz
Internal memory manufacturer	Kingston

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Optical drive type *	✘
Number of storage drives installed	1
Total SSDs capacity	1 TB

Ports & interfaces

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
DisplayPorts quantity	1
DisplayPort version	1.4a
Ethernet LAN (RJ-45) ports	1
Microphone in	✓
Line-out	✓
Line-in	✓
Combo headphone/mic port	✓

Expansion slots

PCI Express x4 slots	1
PCI Express x16 slots	1

Design

Chassis type *	Tower
Colour name	Black, glass side panel, dark chrome logo
Product colour *	Black
RGB memory lighting	✓

Performance

Market positioning	Gaming
Motherboard chipset	AMD B650

Storage

Number of SSDs installed	1
SSD capacity	1 TB
SSD memory type	TLC
SSD interface	PCI Express
NVMe	✔
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	AMD
On-board graphics card model *	AMD Radeon Graphics

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	Realtek
WLAN controller model	RZ616
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

Performance

Motherboard form factor	micro ATX
Audio system	DTS:X Ultra
Audio output channels	5.1 channels
Password protection	✔
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

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)	197497299083
HP segment	Home

Power

Power supply *	1200 W
80 PLUS certification	80 PLUS Gold

Sustainability

Sustainability compliance	✔
Sustainability certificates	ENERGY STAR
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

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