HP OMEN 25L GT12-0049na i7-10700F Tower Intel® Core™ i7 16 GB DDR4-SDRAM 2512 GB HDD+SSD Windows 10 Home PC Black

Brand : HP

Product family: OMEN

Product code: 1D4A0EA

Product name : 25L GT12-0049na

- Intel® Core™ i7-10700F (2.9 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores)
- Windows 10 Home 64 – free upgrade to Windows 11 when available
- NVIDIA® GeForce® RTX 2070 SUPER™ (8 GB GDDR6 dedicated)
- 16 GB memory; 2 TB HDD storage; 512 GB SSD storage
OMEN 25L Desktop GT12-0049na PC, Windows 10 Home 64 – free upgrade to Windows 11 when available, Intel® Core™ i7, 16GB RAM, 512GB SSD, 2TB HDD, NVIDIA® GeForce® RTX 2070 SUPER™

HP OMEN 25L GT12-0049na i7-10700F Tower Intel® Core™ i7 16 GB DDR4-SDRAM 2512 GB HDD+SSD Windows 10 Home PC Black:

Your future gaming self will thank you
It's gaming love at first sight. The OMEN 25L Desktop PC has got the looks and can back it up. With a power processor and graphics, you can play day one. And with being easy to upgrade and OMEN Gaming Hub, it's crafted for the long term.

Processor

Processor manufacturer *	Intel
Processor generation	10th gen Intel® Core™ i7
Processor model *	i7-10700F
Processor family *	Intel® Core™ i7
Processor cores	8
Processor frequency *	2.9 GHz
Processor boost frequency	4.8 GHz
Processor socket	LGA 1200 (Socket H5)
Processor cache	16 MB
Processor cache type	L3
Processor threads	16
System bus rate	8 GT/s
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Comet Lake
Thermal Design Power (TDP)	65 W
Tjunction	100 °C
PCI Express slots version	3.0
Maximum number of PCI Express lanes	16
PCI Express configurations	1x16, 2x8, 1x8+2x4
Number of processors installed	1
Maximum internal memory supported by processor	128 GB

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
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔
Line-in	✔
Combo headphone/mic port	✔
M.2 card slot (storage)	3

Expansion slots

PCI Express x1 slots	1
PCI Express x16 slots	1

Design

Chassis type *	Tower
Placement supported	Vertical
Number of 3.5" bays	2
Cable lock slot	✔
Cable lock slot type	Kensington
Product colour *	Black
Intel® vPro™ Platform Eligibility	✖
Country of origin	China

Processor

Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	2933 MHz
Memory bandwidth supported by processor (max)	45.8 GB/s

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory layout (slots x size)	2 x 8 GB
Memory slots	2x DIMM
Memory clock speed	2666 MHz
ECC	✘
Internal memory manufacturer	HyperX

Storage

Card reader integrated	✘
Total storage capacity *	2512 GB
Storage media *	HDD+SSD
Optical drive type *	✘
Number of storage drives installed	2
Total HDDs capacity	2000 GB
Number of HDDs installed	1
HDD capacity	2000 GB
HDD interface	SATA
HDD speed	7200 RPM
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express, NVMe
NVMe	✔
SSD form factor	M.2

Graphics

Discrete graphics card *	✔
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 2070 SUPER
Discrete graphics memory type	GDDR6
Discrete graphics card memory	8 GB
Number of discrete graphics cards	1
On-board graphics card *	✘
On-board graphics card model *	Not available
Graphics card HDMI ports quantity	1
Graphics card DisplayPorts quantity	3
Graphics card USB Type-C ports quantity	1

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 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
WLAN controller manufacturer	Intel
WLAN controller model	Intel Wi-Fi 6 AX201
Antenna type	2x2
Bluetooth	✔
Bluetooth version	5.0
MU-MIMO	✔
Miracast	✔

Performance

Market positioning	Gaming
Motherboard chipset	Intel H470
Motherboard form factor	micro ATX
Audio system	DTS Headphone:X
Audio output channels	5.1 channels
Product type *	PC

Software

Operating system installed *	Windows 10 Home
Operating system architecture	64-bit
Pre-installed software	Alexa; Netflix; ExpressVPN; LastPass Premium
Trial software	McAfee LiveSafe, Microsoft Office 365
Bundled software	Dropbox

Processor special features

Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Intel Stable Image Platform Program (SIPP)	✘
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Secure Key	✔
Intel® OS Guard	✔
Intel Trusted Execution Technology	✘
Execute Disable Bit	✔
Intel Software Guard Extensions (Intel SGX)	✔
Processor package size	37.5 x 37.5 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Scalability	1S
CPU configuration (max)	1
Thermal solution specification	PCG 2015C
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	199318
Intel® Turbo Boost Technology	2.0
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔

Brand-specific features

HP OMEN Command Center	✔
HP Support Assistant	✔
HP Software provided	HP Audio Switch
HP segment	Home

Power

Power supply *	750 W

Weight & dimensions

Width *	165 mm
Depth *	369 mm
Height *	433 mm
Weight *	11.5 kg
Package width	480 mm

Ports & interfaces

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

Weight & dimensions

Package depth	299 mm
Package height	542 mm
Package weight	14.6 kg

Packaging content

Display included *	✘

Other features

Graphics card interface	PCIe x16

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