HP OMEN 17-an045tx Intel® Core™ i7 i7-7700HQ Ordinateur portable 43,9 cm (17.3") Full HD 16 Go DDR4-SDRAM 2,13 To HDD+SSD NVIDIA® GeForce® GTX 1050 Wi-Fi 5 (802.11ac) Windows 10 Home Noir, Rouge

Marque : HP   **Famille de produit:** OMEN   **Code produit:** 2JQ26PA

Nom du produit : 17-an045tx

HP OMEN 17-an045tx. Type de produit: Ordinateur portable, Format: Boîte coquille. Famille de processeur: Intel® Core™ i7, Modèle de processeur: i7-7700HQ, Fréquence du processeur: 2,8 GHz. Taille de l'écran: 43,9 cm (17.3"), Type HD: Full HD, Résolution de l'écran: 1920 x 1080 pixels. Mémoire interne: 16 Go, Type de mémoire interne: DDR4-SDRAM. Capacité totale de stockage: 2,13 To, Supports de stockage: HDD+SSD. Modèle d'adaptateur graphique inclus: Intel® HD Graphics 630. Système d'exploitation installé: Windows 10 Home. Couleur du produit: Noir, Rouge

Design

Product type *	Laptop
Product colour *	Black, Red
Form factor *	Clamshell
Market positioning	Gaming
Country of origin	China

Display

Display diagonal *	43.9 cm (17.3")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Display surface	Matt

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	7th gen Intel® Core™ i7
Processor model *	i7-7700HQ
Processor cores	4
Processor threads	8
Processor boost frequency	3.8 GHz
Processor frequency *	2.8 GHz
System bus rate	8 GT/s
Processor cache	6 MB
Processor cache type	Smart Cache
Processor lithography	14 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-7700 Mobile Series
Processor codename	Kaby Lake
Bus type	DMI3
Thermal Design Power (TDP)	45 W

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Island-style keyboard	✔
Full-size keyboard	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Pre-installed software	Netflix, Dropbox
Trial software	Microsoft Office 365, McAfee LiveSafe
Operating system installed *	Windows 10 Home

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Smart Response Technology	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔

Processor

Configurable TDP-down	35 W
Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 1x8, 2x4, 2x8
ECC supported by processor	✘

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2400 MHz
Memory layout (slots x size)	2 x 8 GB

Storage

Total storage capacity *	2.13 TB
Storage media *	HDD+SSD
Total HDDs capacity	2 TB
Number of HDDs installed	1
HDD capacity	2 TB
HDD interface	SATA
HDD speed	5400 RPM
Total SSDs capacity	128 GB
Number of SSDs installed	1
SSD capacity	128 GB
SSD interface	NVMe, PCI Express
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SD

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 1050
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR5
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Maximum on-board graphics card memory	64 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card ID	0x591B
NVIDIA G-SYNC	✔

Audio

Audio system	Bang & Olufsen
Number of built-in speakers	2
Built-in microphone	✔

Camera

Front camera	✔

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)

Processor special features

Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✘
Intel Stable Image Platform Program (SIPP)	✘
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	42 x 28 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
CPU configuration (max)	1
Embedded options available	✘
Graphics & IMC lithography	14 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Smart Response Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Secure Key Technology version	1.00
Intel Small Business Advantage (SBA) version	1.00
Intel TSX-NI version	0.00
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	97185
Conflict-Free processor	✔

Brand-specific features

HP OMEN Command Center	✔
HP JumpStart	✔
HP 3D DriveGuard	✔
HP CoolSense	✔
HP Audio Boost	✔
HP speaker type	HP Dual Speakers
HP Audio Switch	✔
HP ePrint	✔
HP Recovery Manager	✔
HP Support Assistant	✔
HP Smart AC Adapter	✔
HP front camera	HP Wide Vision HD
HP segment	Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	8
Battery capacity *	82 Wh
Battery life (max)	12.75 h
Continuous video playback time	11 h

Network

Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n), 802.11a, Wi-Fi 5 (802.11ac)
Antenna type	2x2
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.2
Miracast	✔

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
DVI port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✘
USB Type-C DisplayPort Alternate Mode	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	4

Performance

Motherboard chipset	Intel® HM175

Power

AC adapter power	150 W

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	Power on

Sustainability

Sustainability certificates	EPEAT Silver, ENERGY STAR

Weight & dimensions

Width	423 mm
Depth	304 mm
Height	33 mm
Weight *	3.78 kg

Other features

3D	✘