HP ZHAN 66 Pro 15 G3 Intel® Core™ i7 i7-10510U Laptop 39,6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® GeForce® MX250 Windows 10 Home Silver

Brand : HP

Product code: 8TW69PC

Product name : ZHAN 66 Pro 15 G3

- Windows 10 Home 64-bit
- Intel Core i7-10510U (8MB Cache, 1.8GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce MX250 (2GB GDDR5)
- 16GB (2666MHz) DDR4-SDRAM (1 x 16) & 512GB SSD

Intel Core i7-10510U (8MB Cache, 1.8GHz), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics, NVIDIA GeForce MX250 (2GB GDDR5), LAN, Webcam, Windows 10 Home 64-bit

HP ZHAN 66 Pro 15 G3 Intel® Core™ i7 i7-10510U Laptop 39,6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® GeForce® MX250 Windows 10 Home Silver:

Business class power, affordably priced
Full-featured, thin, and light, the reliable HP ZHAN 66 Pro 15 offers essential commercial features at an affordable price to every business. Automatic security solutions, powerful performance, and long battery life help keep your business productive.

Design	
Product type *	Laptop
Product colour *	Silver
Form factor *	Clamshell
Country of origin	China

Display	
Display diagonal *	39,6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
LED backlight	✓
Native aspect ratio	16:9
Dual-screen	✗

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	10th gen Intel® Core™ i7
Processor model *	i7-10510U
Processor cores	4
Processor threads	8
Processor boost frequency	4,9 GHz
Processor frequency *	1,8 GHz
System bus rate	4 GT/s
Processor cache	8 MB
Processor socket	BGA 1528
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Comet Lake
Thermal Design Power (TDP)	15 W
Configurable TDP-up frequency	2,3 GHz
Configurable TDP-up	25 W
Configurable TDP-down	10 W
Configurable TDP-down frequency	0,8 GHz

Audio	
Built-in microphone	✓

Camera	
Front camera	✓

Network	
Wi-Fi	✓
Ethernet LAN	✓
Ethernet LAN data rates	10,100,1000 Mbit/s

Ports & interfaces	
USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	1.4b
Combo headphone/mic port	✓

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓

Software	
Operating system architecture	64-bit
Operating system installed *	Windows 10 Home

Processor special features	
Intel® My WiFi Technology (Intel® MWT)	✓
Intel® Identity Protection Technology (Intel® IPT)	✓
Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® Turbo Boost Technology	2.0

Processor	
Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1

Memory	
Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2666 MHz
Memory layout (slots x size)	1 x 16 GB

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 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® MX250
Discrete graphics card memory	2 GB
Discrete graphics memory type	GDDR5
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Maximum on-board graphics card memory	32 GB
Number of execution units	24
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x9B41

Processor special features	
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘
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 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	46 x 24 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	196449

Brand-specific features	
HP segment	Business

Battery	
Battery weight	220 g

Sustainability	
Sustainability certificates	ENERGY STAR

Weight & dimensions	
Width	364,9 mm
Depth	256,9 mm
Height	19 mm
Weight *	2 kg

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