

ASUS Zenbook Pro UX501VW-FY102T Intel® Core™ i7 i7-6700HQ Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA® GeForce® GTX 960M Aluminium, Grey



Brand : ASUS

Product family: Zenbook

Product code: 90NB0AU2-M01450

Product name : UX501VW-FY102T

Intel Core i7-6700HQ (2.6GHz, 6M Cache), 15.6" FHD (1920 x 1080), 16GB DDR4, 512GB SSD, Intel HD Graphics 4600 + NVIDIA GeForce GTX 960M 2GB GDDR5, WLAN 802.11, Bluetooth 4.0
ASUS Zenbook Pro UX501VW-FY102T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-6700HQ, Processor frequency: 2.6 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 530, Discrete graphics card model: NVIDIA® GeForce® GTX 960M. Product colour: Aluminium, Grey

Design		Ports & interfaces	
Product type *	Laptop	Docking connector	✗
Product colour *	Aluminium, Grey	Keyboard	
Form factor *	Clamshell	Pointing device	Touchpad
Display		Numeric keypad *	✓
Display diagonal *	39.6 cm (15.6")	Keyboard backlight	✓
Display resolution *	1920 x 1080 pixels	Full-size keyboard	✓
Touchscreen *	✗	Windows keys	✓
HD type	Full HD	Processor special features	
Panel type	IPS	Intel Wireless Display (WiDi) Technology	✓
LED backlight	✓	Intel My WiFi Technology	✓
Native aspect ratio	16:9	Intel® Smart Response Technology	✓
Processor		Intel Identity Protection Technology	✓
Processor manufacturer *	Intel	Intel Hyper-Threading Technology	✓
Processor family *	Intel® Core™ i7	Intel Turbo Boost Technology	2.0
Processor generation	6th gen Intel® Core™ i7	Intel® Small Business Advantage (Intel® SBA)	✓
Processor *	i7-6700HQ	Enhanced Intel SpeedStep Technology	✓
Processor number of cores	4	Intel Clear Video HD Technology	✓
Processor threads	8	Intel Clear Video Technology	✓
Processor boost frequency	3.5 GHz	Intel® InTru™ 3D Technology	✓
Processor frequency *	2.6 GHz	Intel® Insider™	✓
System bus data transfer rate	8 GT/s	Intel® Quick Sync Video Technology	✓
Processor cache	6 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel AES New Instructions	✓
Processor socket	BGA 1440	Intel Trusted Execution Technology	✗
Processor lithography	14 nm	Intel Enhanced Halt State	✓
Processor operating modes	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Core i7-6700 Mobile series	Intel® Secure Key	✓
Processor codename	Skylake	Intel TSX-NI	✗
Bus type	DMI3		
Stepping	R0		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		

Processor		Processor special features	
PCI Express slots version	3.0	Intel Stable Image Platform Program (SIPP)	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® OS Guard	✓
ECC supported by processor	✗	Intel Software Guard Extensions (Intel SGX)	✓
Memory		Intel Clear Video Technology for MID	✓
Internal memory *	16 GB	Intel 64	✓
Internal memory type	DDR4-SDRAM	Execute Disable Bit	✓
Memory clock speed	2133 MHz	Idle States	✓
Memory form factor	On-board + SO-DIMM	Thermal Monitoring Technologies	✓
Memory layout (slots x size)	1 x 8 GB	Processor package size	42 x 28 mm
Memory slots	2x SO-DIMM	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Memory, maximum *	16 GB	Processor code	SR2FQ
Storage		CPU configuration (max)	1
Total storage capacity *	512 GB	Embedded options available	✗
Storage media *	SSD	Graphics & IMC lithography	14 nm
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Solid-state drive capacity	512 GB	Intel Identity Protection Technology version	1.00
Solid-state drive interfaces	M.2	Intel Smart Response Technology version	1.00
Optical drive *	✗	Intel Stable Image Platform Program (SIPP) version	0.00
Card reader integrated	✓	Intel Secure Key Technology version	1.00
Compatible memory cards	MMC, SD	Intel Small Business Advantage (SBA) version	1.00
Graphics		Intel TSX-NI version	1.00
Discrete graphics card model *	NVIDIA® GeForce® GTX 960M	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	2 GB	Processor ARK ID	88967
Discrete graphics memory type	GDDR5	Conflict-Free processor	✓
On-board graphics card *	✓	Battery	
Discrete graphics card *	✓	Battery technology	Lithium Polymer (LiPo)
On-board graphics card family	Intel® HD Graphics	Number of battery cells	4
On-board graphics card model *	Intel® HD Graphics 530	Battery capacity *	60 Wh
On-board graphics card base frequency	350 MHz	Power	
On-board graphics card dynamic frequency (max)	1050 MHz	AC adapter power	120 W
Maximum on-board graphics card memory	1.7 GB	AC adapter frequency	50 - 60 Hz
On-board graphics card DirectX version	12.0	AC adapter input voltage	100 - 240 V
On-board graphics card OpenGL version	4.4	AC adapter output current	6.3 A
On-board graphics card ID	0x191B	AC adapter output voltage	19 V
Audio		DC-in jack	✓
Audio system	B&O PLAY	Certificates	
Built-in microphone	✓	Compliance certificates	RoHS
Camera		Certification	UL, TUV, FCC Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, CB, JATE
Front camera	✓	Sustainability	
Network		Sustainability certificates	ENERGY STAR
Wi-Fi	✓	Weight & dimensions	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Width	383 mm
Ethernet LAN connection	✓	Depth	255 mm
Ethernet LAN data rates	10,100,10000 Mbit/s	Height (front)	2.06 cm
Bluetooth	✓	Height (rear)	2.13 cm
Bluetooth version	4.0	Weight *	2.06 kg
Ports & interfaces		Other features	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Maximum internal memory (64-bit)	16 GB
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Intel segment tagging	Enterprise
Ethernet LAN (RJ-45) ports	1		

Ports & interfaces

HDMI ports quantity *	1
DVI port	✗
Thunderbolt ports quantity	1
Combo headphone/mic port	✓

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