ASUS

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 (19200 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

Product type *	Laptop
Product colour *	Aluminium, Grey
Form factor *	Clamshell

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	6th gen Intel® Core™ i7
Processor *	i7-6700HQ
Processor number of cores	4
Processor threads	8
Processor boost frequency	3.5 GHz
Processor frequency *	2.6 GHz
System bus data transfer rate	8 GT/s
Processor cache	6 MB
Processor cache type	Smart Cache
Processor socket	BGA 1440
Processor lithography	14 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-6700 Mobile series
Processor codename	Skylake
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

Ports & interfaces

Docking connector	✗

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Full-size keyboard	✔
Windows keys	✔

Processor special features

Intel Wireless Display (WiDi) Technology	✔
Intel My WiFi Technology	✔
Intel® Smart Response Technology	✔
Intel Identity Protection Technology	✔
Intel Hyper-Threading Technology	✔
Intel Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✔
Enhanced Intel SpeedStep Technology	✔
Intel Clear Video HD Technology	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel AES New Instructions	✔
Intel Trusted Execution Technology	✗
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✗

Processor

PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8, 1x8+2x4
ECC supported by processor	✘

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2133 MHz
Memory form factor	On-board + SO-DIMM
Memory layout (slots x size)	1 x 8 GB
Memory slots	2x SO-DIMM
Memory, maximum *	16 GB

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Number of SSDs installed	1
Solid-state drive capacity	512 GB
Solid-state drive interfaces	M.2
Optical drive *	✘
Card reader integrated	✔
Compatible memory cards	MMC, SD

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 960M
Discrete graphics card memory	2 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 530
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1050 MHz
Maximum on-board graphics card memory	1.7 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card ID	0x191B

Audio

Audio system	B&O PLAY
Built-in microphone	✔

Camera

Front camera	✔

Network

Wi-Fi	✔
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN connection	✔
Ethernet LAN data rates	10,100,10000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1

Processor special features

Intel Stable Image Platform Program (SIPP)	✘
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel Clear Video Technology for MID	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	42 x 28 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Processor code	SR2FQ
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	1.00
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	88967
Conflict-Free processor	✔

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	60 Wh

Power

AC adapter power	120 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	6.3 A
AC adapter output voltage	19 V
DC-in jack	✔

Certificates

Compliance certificates	RoHS
Certification	UL, TUV, FCC Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, CB, JATE

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	383 mm
Depth	255 mm
Height (front)	2.06 cm
Height (rear)	2.13 cm
Weight *	2.06 kg

Other features

Maximum internal memory (64-bit)	16 GB
Intel segment tagging	Enterprise

Ports & interfaces

HDMI ports quantity *	1
DVI port	✘
Thunderbolt ports quantity	1
Combo headphone/mic port	✔

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