

ASUS Zenbook 3 UX390UA-GS101T laptop Intel® Core™ i7 i7-7500U 31.8 cm (12.5") Full HD 8 GB LPDDR3-SDRAM 512 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Blue, Gold



Brand : ASUS

Product family: Zenbook

Product code: UX390UA-GS101T

Product name : UX390UA-GS101T

Intel Core i7-7500U, 12.5" FHD 1920x1080, LPDDR3 8GB, 512GB SSD, Video Camera, FingerPrint, LAN, WLAN, Bluetooth 4.1, Windows 10 (64bit)

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To say that ZenBook 3 is a new generation of ZenBook is a huge understatement — it's ZenBook reimagined for the next era of mobile computing. Every single precision component and every elegantly crafted detail has been completely re-engineered and redesigned to make ZenBook 3 the most sophisticated ZenBook yet. It's lighter, thinner, stronger, impossibly powerful — and utterly beautiful. Simply, it's the world's most incredible laptop. Say hello to ZenBook 3.

Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Blue, Gold	Numeric keypad *	✗
Form factor *	Clamshell	Keyboard backlight	✓
Display		Full-size keyboard	✓
Display diagonal *	31.8 cm (12.5")	Windows keys	✓
Display resolution *	1920 x 1080 pixels	Software	
Touchscreen *	✗	Operating system architecture	64-bit
HD type	Full HD	Operating system installed *	Windows 10
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel Wireless Display (WiDi) Technology	✓
Display surface	Gloss	Intel My WiFi Technology	✓
Processor		Intel® Smart Response Technology	✓
Processor manufacturer *	Intel	Intel Identity Protection Technology	✓
Processor family *	Intel® Core™ i7	Intel Hyper-Threading Technology	✓
Processor generation	7th gen Intel® Core™ i7	Intel Turbo Boost Technology	2.0
Processor *	i7-7500U	Intel® Small Business Advantage (Intel® SBA)	✓
Processor number of cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel Clear Video HD Technology	✓
Processor boost frequency	3.5 GHz	Intel Clear Video Technology	✓
Processor frequency *	2.7 GHz	Intel® InTru™ 3D Technology	✓
System bus data transfer rate	4 GT/s	Intel® Insider™	✓
Processor cache	4 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Processor socket	BGA 1356	Intel AES New Instructions	✓
Processor lithography	14 nm	Intel Trusted Execution Technology	✗
Processor operating modes	64-bit	Intel Enhanced Halt State	✓
Processor codename	Kaby Lake	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	OPI	Intel® Secure Key	✓
Stepping	H0		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.9 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	7.5 W		

Processor		Processor special features	
Configurable TDP-down frequency	0.8 GHz	Intel TSX-NI	✗
Tjunction	100 °C	Intel Stable Image Platform Program (SIPP)	✗
Maximum number of PCI Express lanes	12	Intel® OS Guard	✓
PCI Express slots version	3.0	Intel Software Guard Extensions (Intel SGX)	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Clear Video Technology for MID	✓
ECC supported by processor	✗	Intel 64	✓
Memory		Execute Disable Bit	✓
Internal memory *	8 GB	Idle States	✓
Internal memory type	LPDDR3-SDRAM	Thermal Monitoring Technologies	✓
Memory clock speed	2133 MHz	Processor package size	42 x 24 mm
Memory form factor	On-board	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory, maximum *	16 GB	Processor code	SR2ZV
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
Optical drive *	✗	Intel Smart Response Technology version	1.00
Card reader integrated	✗	Intel Stable Image Platform Program (SIPP) version	0.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	Not available	Intel TSX-NI version	0.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✗	Processor ARK ID	95451
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 620	Battery	
On-board graphics card base frequency	300 MHz	Battery technology	Lithium Polymer (LiPo)
On-board graphics card dynamic frequency (max)	1050 MHz	Number of battery cells	6
Maximum on-board graphics card memory	32 GB	Battery capacity *	40 Wh
On-board graphics card DirectX version	12.0	Power	
On-board graphics card OpenGL version	4.4	AC adapter power	45 W
On-board graphics card ID	0x5916	AC adapter frequency	50 - 60 Hz
Audio		AC adapter input voltage	100 - 240 V
Audio system	SonicMaster Premium	AC adapter output current	2.25 A
Number of built-in speakers	4	AC adapter output voltage	20 V
Speakers manufacturer	Harman Kardon	Security	
Built-in microphone	✓	Fingerprint reader	✓
Camera		Weight & dimensions	
Front camera	✓	Width	296 mm
Network		Depth	191.2 mm
Wi-Fi	✓	Height	11.9 mm
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Weight *	910 g
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Other features	
Ethernet LAN connection	✗	Maximum internal memory (64-bit)	16 GB
Bluetooth	✗	Intel segment tagging	Enterprise
Ports & interfaces			
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1		
DVI port	✗		
Combo headphone/mic port	✓		
Docking connector	✗		

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