

**ASUS Zenbook UX32LN-R4106H laptop Intel® Core™ i7 i7-4510U
33.8 cm (13.3") Full HD 8 GB DDR3L-SDRAM 256 GB SSD NVIDIA®
GeForce® GT 840M Windows 8.1 Grey, Silver**



Brand : ASUS

Product family: Zenbook

Product code: UX32LN-R4106H

Product name : UX32LN-R4106H

Intel Core i7-4510U (2GHz, 4MB Cache), 8GB DDR3, 256GB SSD, Intel HD Graphics 4400 + NVIDIA GeForce GT 840M, WLAN 802.11 a/b/g/n, Windows 8

ASUS Zenbook UX32LN-R4106H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4510U, Processor frequency: 2 GHz. Display diagonal: 33.8 cm (13.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: Windows 8.1. Product colour: Grey, Silver

Design		Software	
Product type *	Laptop	Operating system installed *	Windows 8.1
Product colour *	Grey, Silver	Processor special features	
Form factor *	Clamshell	Intel® Wireless Display (Intel® WiDi)	✓
Display		Intel® My WiFi Technology (Intel® MWT)	✗
Display diagonal *	33.8 cm (13.3")	Intel Smart Connect Technology	✓
Display resolution *	1920 x 1080 pixels	Intel® Anti-Theft Technology (Intel® AT)	✓
Touchscreen *	✗	Intel® Identity Protection Technology (Intel® IPT)	✓
HD type	Full HD	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
LED backlight	✓	Intel® Turbo Boost Technology	2.0
Native aspect ratio	16:9	Intel® High Definition Audio (Intel® HD Audio)	✓
Processor		Enhanced Intel SpeedStep Technology	✓
Processor manufacturer *	Intel	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor family *	Intel® Core™ i7	Intel Clear Video Technology	✗
Processor generation	4th gen Intel® Core™ i7	Intel® InTru™ 3D Technology	✓
Processor model *	i7-4510U	Intel® Insider™	✓
Processor cores	2	Intel® Quick Sync Video Technology	✓
Processor threads	4	Intel Flex Memory Access	✗
Processor boost frequency	3.1 GHz	Intel® Smart Cache	✓
Processor frequency *	2 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
System bus rate	5 GT/s	Intel Trusted Execution Technology	✗
Processor cache	4 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1168		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-4500 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		

Processor		Processor special features	
FSB Parity	✗	Intel Enhanced Halt State	✓
Stepping	D0	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	15 W	Intel Demand Based Switching	✗
Tjunction	100 °C	Intel® Secure Key	✓
Maximum number of PCI Express lanes	12	Intel TSX-NI	✗
PCI Express slots version	2.0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
PCI Express configurations	4x1, 2x4	Intel 64	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory		Idle States	✓
Internal memory *	8 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR3L-SDRAM	Processor package size	40 x 24 x 1.5 mm
Memory clock speed	1600 MHz	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage		Processor code	SR1EB
Total storage capacity *	256 GB	CPU configuration (max)	1
Storage media *	SSD	Embedded options available	✗
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✗
SSD capacity	256 GB	Intel Smart Connect Technology version	1.00
Optical drive type *	✗	Intel Identity Protection Technology version	1.00
Card reader integrated	✓	Intel Secure Key Technology version	1.00
Graphics		Intel ME Firmware Version	9.5
Discrete graphics card model *	NVIDIA® GeForce® GT 840M	Intel TSX-NI version	0.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Intel Dual Display Capable Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel FDI Technology	✓
On-board graphics card model *	Intel® HD Graphics 4400	Intel Rapid Storage Technology	✓
On-board graphics card base frequency	200 MHz	Intel Fast Memory Access	✗
On-board graphics card dynamic frequency (max)	1100 MHz	Processor ARK ID	81015
Maximum on-board graphics card memory	1.74 GB	Conflict-Free processor	✓
On-board graphics card DirectX version	11.2/12	Battery	
On-board graphics card OpenGL version	4.3	Battery technology	Lithium Polymer (LiPo)
On-board graphics card ID	0xA16	Number of battery cells	3
Audio		Battery capacity *	50 Wh
Speakers manufacturer	Bang & Olufsen	Power	
Built-in microphone	✓	AC adapter power	65 W
Camera		AC adapter frequency	50 - 60 Hz
Front camera	✓	AC adapter input voltage	100 - 240 V
Network		AC adapter output voltage	19 V
Wi-Fi	✓	DC-in jack	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g	Security	
Ethernet LAN	✗	Cable lock slot	✗
Bluetooth	✗	Weight & dimensions	
Ports & interfaces		Width	325 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Depth	223 mm
HDMI ports quantity *	1	Height (front)	5.5 mm
DVI port	✗	Height (rear)	1.8 cm
S/PDIF out port	✗	Weight *	1.45 kg
Microphone in	✗	Other features	
Combo headphone/mic port	✓	LightScribe	✗
Docking connector	✗	Intel® Virtualization Technology (Intel® VT)	VT-x

Ports & interfaces		Other features	
ExpressCard slot	✘	Intel segment tagging	Enterprise
CardBus PCMCIA slot type	✘		
SmartCard slot	✘		
Number of SATA III connectors	4		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✘		
Windows keys	✔		



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