

**ASUS Zenbook UX32VD-R4010H laptop Intel® Core™ i7 i7-3517U
33,8 cm (13.3") Full HD 4 GB DDR3-SDRAM 512 GB SSD NVIDIA®
GeForce® GT 620M Windows 8 Stainless steel**



Brand : ASUS

Product family: Zenbook

Article code: UX32VD-R4010H

Product name : UX32VD-R4010H

ASUS Zenbook UX32VD-R4010H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-3517U, Processor frequency: 1,9 GHz. Display diagonal: 33,8 cm (13.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 8. Product color: Stainless steel

Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product color *	Stainless steel	Numeric keypad *	✗
Form factor *	Clamshell	Windows keys	✓
Display		Software	
Display diagonal *	33,8 cm (13.3")	Operating system installed *	Windows 8
Display resolution *	1920 x 1080 pixels	Processor special features	
Touchscreen *	✗	Intel® Wireless Display (Intel® WiDi)	✓
HD type	Full HD	Intel® My WiFi Technology (Intel® MWT)	✓
LED backlight	✓	Intel® Anti-Theft Technology (Intel® AT)	✓
Native aspect ratio	16:9	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor family *	Intel® Core™ i7	Intel® Small Business Advantage (Intel® SBA)	✗
Processor generation	3rd gen Intel® Core™ i7	Enhanced Intel SpeedStep Technology	✓
Processor model *	i7-3517U	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cores	2	Intel Clear Video Technology	✗
Processor threads	4	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3 GHz	Intel® Insider™	✓
Processor frequency *	1,9 GHz	Intel® Quick Sync Video Technology	✓
System bus rate	5 GT/s	Intel Flex Memory Access	✓
Processor cache	4 MB	Intel® Smart Cache	✓
Processor cache type	Smart Cache		
Processor socket	BGA 1023		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-3500 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		

Processor		Processor special features	
FSB Parity	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
Stepping	L1	Intel Trusted Execution Technology	✗
Thermal Design Power (TDP)	17 W	Intel Enhanced Halt State	✓
Tjunction	105 °C	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum number of PCI Express lanes	16	Intel Demand Based Switching	✗
PCI Express slots version	2.0	Intel® Secure Key	✓
PCI Express configurations	1x8, 1x16, 2x4, 2x8	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
CPU multiplier (bus/core ratio)	19	Intel 64	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory		Idle States	✓
Internal memory *	4 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR3-SDRAM	Processor package size	31.0 x 24.0 mm
Memory clock speed	1600 MHz	Supported instruction sets	AVX
Memory slots	1x SO-DIMM	Processor code	SR0N6
Storage		CPU configuration (max)	1
Total storage capacity *	512 GB	Embedded options available	✗
Storage media *	SSD	Graphics & IMC lithography	22 nm
Number of SSDs installed	2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	256 GB	Intel Identity Protection Technology version	1,00
Optical drive type *	✗	Intel Secure Key Technology version	1,00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	SD	Intel Dual Display Capable Technology	✓
Graphics		Intel FDI Technology	✓
Discrete graphics card model *	NVIDIA® GeForce® GT 620M	Intel Rapid Storage Technology	✗
Discrete graphics memory type	GDDR3	Intel Fast Memory Access	✓
On-board graphics card *	✓	Processor ARK ID	65714
Discrete graphics card *	✓	Conflict-Free processor	✓
On-board graphics card family	Intel® HD Graphics	Integrated 4G WiMAX	✓
On-board graphics card model *	Intel® HD Graphics 4000	Battery	
On-board graphics card base frequency	350 MHz	Battery technology	Lithium Polymer (LiPo)
On-board graphics card dynamic frequency (max)	1150 MHz	Number of battery cells	6
On-board graphics card ID	0x166	Battery capacity	6520 mAh
Audio		Battery capacity *	48 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	
Bluetooth version	4.0	Width	325 mm
Ports & interfaces		Depth	223 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Height (front)	5,5 mm
HDMI ports quantity *	1	Height (rear)	1,8 cm
DVI port	✗	Weight *	1,45 kg
Mini VGA ports quantity	1	Other features	
S/PDIF out port	✗	LightScribe	✗
Microphone in	✗		
Combo headphone/mic port	✓		
ExpressCard slot	✗		

Ports & interfaces		Other features	
CardBus PCMCIA slot type	×	3D	×
SmartCard slot	×	Intel segment tagging	Enterprise
Performance			
Motherboard chipset	Intel HM76 Express		

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