



ASUS X75VD-TY010V notebook i5-3210M 43.9 cm (17.3") HD+ Intel® Core™ i5 4 GB DDR3-SDRAM 320 GB HDD NVIDIA® GeForce® GT 610M Windows 7 Home Premium Black

Brand : ASUS

Product code: X75VD-TY010V

Product name : X75VD-TY010V



Intel Core i5-3210M (3M Cache, 2.50 GHz), 17.3" 16:9 HD+ (1600x900) LED, 4GB DDR3, 320GB SATA HDD, Super-Multi DVD, Intel HD Graphics 4000 + NVIDIA GeForce GT 610M 1GB DDR3 VRAM, Gigabit Ethernet, WLAN 802.11 b/g/n, 0.3M WebCam, Windows 7 Home Premium 64-bit
ASUS X75VD-TY010V. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-3210M, Processor frequency: 2.5 GHz. Display diagonal: 43.9 cm (17.3"), HD type: HD+, Display resolution: 1600 x 900 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 320 GB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 7 Home Premium. Product colour: Black



Design		Keyboard	
Product type *	Notebook	Pointing device	Touchpad
Product colour *	Black	Numeric keypad *	✓
Form factor *	Clamshell	Software	
Display		Operating system architecture	64-bit
Display diagonal *	43.9 cm (17.3")	Operating system installed *	Windows 7 Home Premium
Display resolution *	1600 x 900 pixels	Processor special features	
Touchscreen *	✗	Intel® Wireless Display (Intel® WiDi)	✓
HD type	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 generation	3rd gen Intel® Core™ i5	Enhanced Intel SpeedStep Technology	✓
Processor model *	i5-3210M	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor family *	Intel® Core™ i5	Intel Clear Video Technology	✗
Processor frequency *	2.5 GHz	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3.1 GHz	Intel® Insider™	✓
Processor threads	4	Intel® Quick Sync Video Technology	✓
System bus rate	5 GT/s	Intel Flex Memory Access	✓
Processor cores	2	Intel® Smart Cache	✓
Processor cache	3 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✗
Processor socket	BGA 1023		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-3200 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		

Processor		Processor special features	
FSB Parity	✗	Intel Enhanced Halt State	✓
Stepping	L1	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	35 W	Intel Demand Based Switching	✗
Tjunction	105 °C	Intel® Secure Key	✓
Maximum number of PCI Express lanes	16	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
PCI Express slots version	3.0	Intel 64	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Execute Disable Bit	✓
CPU multiplier (bus/core ratio)	25	Idle States	✓
ECC supported by processor	✗	Thermal Monitoring Technologies	✓
Memory		Processor package size	31.0 x 24.0 (BGA1023)
Internal memory *	4 GB	Supported instruction sets	AVX
Internal memory type	DDR3-SDRAM	Processor code	SR0N0
Memory slots	1x SO-DIMM	CPU configuration (max)	1
Maximum internal memory *	8 GB	Embedded options available	✗
Storage		Graphics & IMC lithography	22 nm
Total storage capacity *	320 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	HDD	Intel Identity Protection Technology version	1.00
Number of HDDs installed	1	Intel Secure Key Technology version	1.00
HDD capacity	320 GB	Intel Virtualization Technology (VT-x)	✓
HDD interface	SATA	Intel Dual Display Capable Technology	✓
HDD size	2.5"	Intel FDI Technology	✓
Optical drive type *	DVD Super Multi	Intel Rapid Storage Technology	✗
Card reader integrated	✓	Intel Fast Memory Access	✓
Compatible memory cards	SD, SDHC, SDXC	Processor ARK ID	65708
Graphics		Conflict-Free processor	✓
Discrete graphics card model *	NVIDIA® GeForce® GT 610M	Integrated 4G WiMAX	✓
On-board graphics card *	✓	Battery	
Discrete graphics card *	✓	Number of battery cells	6
On-board graphics card family	Intel® HD Graphics	Battery capacity	4400 mAh
On-board graphics card model *	Intel® HD Graphics 4000	Battery capacity *	47 Wh
On-board graphics card base frequency	650 MHz	Power	
On-board graphics card dynamic frequency (max)	1100 MHz	AC adapter power	65 W
On-board graphics card ID	0x166	AC adapter frequency	50 - 60 Hz
Discrete graphics memory type	GDDR3	AC adapter input voltage	100 - 240 V
Audio		AC adapter output current	3.42 A
Audio system	SonicMaster Lite	AC adapter output voltage	19 V
Built-in speaker(s)	✓	Power auto-sensing	✓
Speakers manufacturer	Altec Lansing	Security	
Built-in microphone	✓	Cable lock slot	✗
Camera		Password protection type	BIOS, HDD
Front camera resolution (numeric)	0.3 MP	Weight & dimensions	
Network		Width	420 mm
Wi-Fi	✓	Depth	282 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Height (front)	3.46 cm
Ethernet LAN	✓	Height (rear)	3.66 cm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	3 kg
Bluetooth	✗	Features	
Ports & interfaces		Images Type Map	✗
USB 2.0 ports quantity *	2	Other features	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	AC adapter included	✓
Ethernet LAN (RJ-45) ports	1	LightScribe	✗
HDMI ports quantity *	1	Infrared data port	✗
DVI port	✗		
VGA (D-Sub) ports quantity	1		

Ports & interfaces		Other features	
Headphone outputs	1	Graphics card family	Intel, NVIDIA
S/PDIF out port	✘		
Microphone in	✔		
Charging port type	DC-in jack		
ExpressCard slot	✘		
CardBus PCMCIA slot type	✘		
SmartCard slot	✘		

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