

**ASUS K55VD-SX032V Intel® Core™ i7 i7-3610QM 39.6 cm (15.6")
HD 4 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® GT 610M
Windows 7 Home Premium Black, Brown**



Brand : ASUS

Product code: 90N8DC514S522BVL125

Product name : K55VD-SX032V

15.6" HD LED, 1366x768, Intel Core i7-3610QM (6M Cache, up to 3.30 GHz), 4 (1x4) GB DDR3 1600MHz, 500GB SATA, Nvidia GeForce GT610M 2048MB DDR3, DVD-SM DL, 0.3MP Webcam, Gigabit Ethernet, 802.11 b/g/n, 6-Cell, Windows 7 Home Premium, Black/Brown

ASUS K55VD-SX032V. Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-3610QM, Processor frequency: 2.3 GHz. Display diagonal: 39.6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 7 Home Premium. Product colour: Black, Brown

Design		Performance	
Product colour *	Black, Brown	Motherboard chipset	Intel HM76 Express
Form factor *	Clamshell	Keyboard	
Display		Pointing device	Touchpad
Display diagonal *	39.6 cm (15.6")	Numeric keypad *	✓
Display resolution *	1366 x 768 pixels	Software	
HD type	HD	Operating system architecture	64-bit
LED backlight	✓	Operating system installed *	Windows 7 Home Premium
Native aspect ratio	16:9	Processor special features	
Processor		Intel® Wireless Display (Intel® WiDi)	✓
Processor manufacturer *	Intel	Intel® My WiFi Technology (Intel® MWT)	✓
Processor family *	Intel® Core™ i7	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor generation	3rd gen Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	i7-3610QM	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores	4	Intel® Turbo Boost Technology	2.0
Processor threads	8	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3.3 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	2.3 GHz	Intel Clear Video Technology	✗
System bus rate	5 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	6 MB	Intel® Insider™	✓
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✓
Processor socket	Socket G2	Intel Flex Memory Access	✓
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-3600 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		
FSB Parity	✗		
Thermal Design Power (TDP)	45 W		

Processor		Processor special features	
Tjunction	105 C	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum number of PCI Express lanes	16	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Intel Enhanced Halt State	✓
PCI Express configurations	1x16, 2x8	Intel VT-x with Extended Page Tables (EPT)	✓
CPU multiplier (bus/core ratio)	23	Intel Demand Based Switching	✗
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory *	4 GB	Intel 64	✓
Internal memory type	DDR3-SDRAM	Execute Disable Bit	✓
Memory clock speed	1600 MHz	Idle States	✓
Memory slots	2x SO-DIMM	Thermal Monitoring Technologies	✓
Memory slots (available)	1	Processor package size	37.5 x 37.5 (rPGA988B)
Maximum internal memory *	8 GB	Supported instruction sets	AVX
Storage		CPU configuration (max)	1
Total storage capacity *	500 GB	Embedded options available	✗
Storage media *	HDD	Graphics & IMC lithography	22 nm
Number of HDDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✗
HDD capacity	500 GB	Intel Identity Protection Technology version	1.00
HDD interface	SATA	Intel Secure Key Technology version	1.00
HDD size	2.5"	Intel Virtualization Technology (VT-x)	✓
Optical drive type *	DVD Super Multi DL	Intel Dual Display Capable Technology	✓
Card reader integrated	✓	Intel FDI Technology	✓
Compatible memory cards	MMC, SD	Intel Rapid Storage Technology	✗
Graphics		Intel Fast Memory Access	✓
Discrete graphics card model *	NVIDIA® GeForce® GT 610M	Processor ARK ID	64899
Discrete graphics card memory	2 GB	Conflict-Free processor	✓
Discrete graphics memory type	GDDR3	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	4700 mAh
On-board graphics card model *	Intel® HD Graphics 4000	Battery capacity *	50 Wh
On-board graphics card base frequency	650 MHz	Power	
On-board graphics card dynamic frequency (max)	1100 MHz	AC adapter power	90 W
On-board graphics card ID	0x166	AC adapter frequency	50 - 60 Hz
Number of discrete graphics cards	1	AC adapter input voltage	100 - 240 V
Audio		AC adapter output current	50 A
Audio system	HD	AC adapter output voltage	19 V
Speakers manufacturer	Altec Lansing	DC-in jack	✓
Built-in microphone	✓	Security	
Camera		Cable lock slot	✓
Front camera resolution (numeric)	0.3 MP	Cable lock slot type	Kensington
Network		Password protection type	BIOS, HDD, User
Wi-Fi	✓	Weight & dimensions	
Networking features	Gigabit Ethernet	Width	378 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth	251 mm
Ethernet LAN	✓	Height (front)	2.55 cm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height (rear)	3.19 cm
Bluetooth	✓	Weight *	2.52 kg
Cabling technology	10/100/1000Base-T(X)	Packaging content	
Networking standards	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.3, IEEE 802.3ab, IEEE 802.3u	AC adapter included *	✓
Ports & interfaces			
USB 2.0 ports quantity *	1		

Ports & interfaces		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Cables included	AC
Ethernet LAN (RJ-45) ports	1	Manual	✓
HDMI ports quantity *	1	Quick start guide	✓
DVI port	✗	Other features	
VGA (D-Sub) ports quantity	1	Wireless technology	Wi-Fi
Headphone outputs	1	Infrared data port	✗
S/PDIF out port	✗	Graphics card family	Intel, NVIDIA
Microphone in	✓	Type	PC
ExpressCard slot	✗	Power supply type	AC/DC
CardBus PCMCIA slot type	✗	Compatible operating systems	Windows 7
SmartCard slot	✗	Ethernet interface type	Gigabit Ethernet
TV-out	✗		

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