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: 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	
Product colour *	Black, Brown
Form factor *	Clamshell

Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	1366 x 768 pixels
HD type	HD
LED backlight	✔
Native aspect ratio	16:9

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	3rd gen Intel® Core™ i7
Processor *	i7-3610QM
Processor number of cores	4
Processor threads	8
Processor boost frequency	3.3 GHz
Processor frequency *	2.3 GHz
System bus data transfer rate	5 GT/s
Processor cache	6 MB
Processor cache type	Smart Cache
Processor socket	Socket G2
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

Ports & interfaces	
CardBus PCMCIA slot type	✘
SmartCard slot	✘
TV-out	✘

Performance	
Motherboard chipset	Intel HM76 Express

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✔

Software	
Operating system architecture	64-bit
Operating system installed *	Windows 7 Home Premium

Processor special features	
Intel Wireless Display (WiDi) Technology	✔
Intel My WiFi Technology	✔
Intel Anti-Theft Technology	✔
Intel Identity Protection Technology	✔
Intel Hyper-Threading Technology	✔
Intel Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔
Intel Clear Video HD Technology	✔
Intel Clear Video Technology	✘
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔

Processor

Tjunction	105 C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8
CPU multiplier (bus/core ratio)	23
ECC supported by processor	✘

Memory

Internal memory *	4 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1600 MHz
Memory slots	2x SO-DIMM
Memory slots (available)	1
Maximum internal memory *	8 GB

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Number of hard drives installed	1
Hard drive capacity	500 GB
Hard drive interface	SATA
Hard drive size	2.5"
Optical drive type *	DVD Super Multi DL
Card reader integrated	✔
Compatible memory cards	MMC, SD

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GT 610M
Discrete graphics card memory	2 GB
Discrete graphics memory type	GDDR3
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4000
On-board graphics card base frequency	650 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
On-board graphics card ID	0x166
Number of discrete graphics cards	1

Audio

Audio system	HD
Speakers manufacturer	Altec Lansing
Built-in microphone	✔

Camera

Front camera resolution (numeric)	0.3 MP

Network

Wi-Fi	✔
Networking features	Gigabit Ethernet
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN connection	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Cabling technology	10/100/1000Base-T(X)
Network standard	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.3, IEEE 802.3ab, IEEE 802.3u

Ports & interfaces

USB 2.0 ports quantity *	1

Processor special features

Intel Flex Memory Access	✔
Intel AES New Instructions	✔
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✔
Intel Clear Video Technology for MID	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5 x 37.5 (rPGA988B)
Supported instruction sets	AVX
CPU configuration (max)	1
Embedded options available	✘
Graphics & IMC lithography	22 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✘
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✔
Intel FDI Technology	✔
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✔
Processor ARK ID	64899
Conflict-Free processor	✔
Integrated 4G WiMAX	✔

Battery

Number of battery cells	6
Battery performance	4700 mAh
Battery capacity *	50 Wh

Energy Management

AC adapter power	90 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	50 A
AC adapter output voltage	19 V
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Password protection type	BIOS, HDD, User

Weight & Dimensions

Width	378 mm
Depth	251 mm
Height (front)	2.55 cm
Height (rear)	3.19 cm
Weight *	2.52 kg

Packaging Content

AC adapter bundled *	✔

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports quantity	1
HDMI ports quantity *	1
DVI port	✘
VGA (D-Sub) ports quantity	1
Headphone outputs	1
S/PDIF out port	✘
Microphone in	✔
ExpressCard slot	✘

Packaging Content

Cables included	AC
Manual	✔
Quick start guide	✔

Other features

Wireless technology	Wi-Fi
Infrared data port	✘
Graphics card family	Intel, NVIDIA
Type	PC
Power supply type	AC/DC
Compatible operating systems	Windows 7
Ethernet interface type	Gigabit Ethernet

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