

**ASUS K55VD Intel® Core™ i7 i7-3630QM Laptop 39,6 cm (15.6")
HD 6 GB DDR3-SDRAM 1 TB HDD NVIDIA® GeForce® 610M
Windows 8 Brown**



Brand : ASUS

Product code: 90N8DC514W5E7A5813AY

Product name : K55VD

Intel Core i7-3630QM (6M Cache, 2.4GHz), 15.6" 16:9 HD (1366x768) LED, 6GB DDR3, 1000GB HDD, Intel HD Graphics 4000, NVIDIA GeForce 610M 2GB DDR3 VRAM, Super-Multi DVD, Gigabit Ethernet, WLAN 802.11 b/g/n, 0.3M WebCam, Windows 8 64-bit

ASUS K55VD. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-3630QM, Processor frequency: 2,4 GHz. Display diagonal: 39,6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 6 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8. Product colour: Brown

Design		Ports & interfaces	
Product type *	Laptop	Docking connector	×
Product colour *	Brown	ExpressCard slot	×
Form factor *	Clamshell	CardBus PCMCIA slot type	×
Display		SmartCard slot	×
Display diagonal *	39,6 cm (15.6")	Performance	
Display resolution *	1366 x 768 pixels	Motherboard chipset	Intel HM76 Express
Touchscreen *	×	Keyboard	
HD type	HD	Pointing device	Touchpad
LED backlight	✓	Numeric keypad *	✓
Native aspect ratio	16:9	Full-size keyboard	✓
Processor		Windows keys	✓
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i7	Operating system architecture	64-bit
Processor generation	3rd gen Intel® Core™ i7	Drivers included	✓
Processor model *	i7-3630QM	Operating system installed *	Windows 8
Processor cores	4	Processor special features	
Processor threads	8	Intel® Wireless Display (Intel® WiDi)	✓
Processor boost frequency	3,4 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor frequency *	2,4 GHz	Intel® Anti-Theft Technology (Intel® AT)	✓
System bus rate	5 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache	6 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
Processor socket	PGA988		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-3600 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		

Processor		Processor special features	
FSB Parity	✗	Enhanced Intel SpeedStep Technology	✓
Stepping	E1	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Thermal Design Power (TDP)	45 W	Intel Clear Video Technology	✗
Tjunction	105 °C	Intel® InTru™ 3D Technology	✓
Maximum number of PCI Express lanes	16	Intel® Insider™	✓
PCI Express slots version	3.0	Intel® Quick Sync Video Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Flex Memory Access	✓
CPU multiplier (bus/core ratio)	24	Intel® Smart Cache	✓
ECC supported by processor	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory		Intel Trusted Execution Technology	✗
Internal memory *	6 GB	Intel Enhanced Halt State	✓
Internal memory type	DDR3-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speed	1600 MHz	Intel Demand Based Switching	✗
Memory form factor	SO-DIMM	Intel® Secure Key	✓
Memory slots	2x SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Maximum internal memory *	8 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1 TB	Idle States	✓
Storage media *	HDD	Thermal Monitoring Technologies	✓
Number of HDDs installed	1	Processor package size	37.5 x 37.5 (rPGA988B)
HDD capacity	1 TB	Supported instruction sets	AVX
HDD interface	SATA	Processor code	SR0UX
HDD speed	5400 RPM	CPU configuration (max)	1
HDD size	2.5"	Embedded options available	✗
Optical drive type *	DVD Super Multi	Graphics & IMC lithography	22 nm
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Compatible memory cards	MMC, SD	Intel Identity Protection Technology version	1,00
Graphics		Intel Secure Key Technology version	1,00
Discrete graphics card model *	NVIDIA® GeForce® 610M	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	2 GB	Intel Dual Display Capable Technology	✓
Discrete graphics memory type	GDDR3	Intel FDI Technology	✓
On-board graphics card *	✓	Intel Rapid Storage Technology	✗
Discrete graphics card *	✓	Intel Fast Memory Access	✓
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	71459
On-board graphics card model *	Intel® HD Graphics 4000	Conflict-Free processor	✓
On-board graphics card base frequency	650 MHz	Integrated 4G WiMAX	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Battery	
On-board graphics card ID	0x166	Number of battery cells	6
Audio		Battery capacity	4700 mAh
Audio system	SonicMaster Lite	Battery capacity *	50 Wh
Speakers manufacturer	Altec Lansing	Power	
Built-in microphone	✓	AC adapter power	90 W
Camera		AC adapter frequency	50 - 60 Hz
Front camera	✓	AC adapter input voltage	100 - 240 V
Front camera resolution (numeric)	0,3 MP	AC adapter output current	4,74 A
Network		AC adapter output voltage	19 V
Wi-Fi	✓	DC-in jack	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	3.0+HS		
Data network	Not supported		
Cabling technology	10/100/1000Base-T(X)		

Network		Security	
4G WiMAX	✗	Cable lock slot	✓
Ports & interfaces		Cable lock slot type	Kensington
		Password protection type	BIOS, HDD, User
		Weight & dimensions	
USB 2.0 ports quantity *	1	Width	378 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Depth	251 mm
Ethernet LAN (RJ-45) ports	1	Height (front)	2,55 cm
HDMI ports quantity *	1	Height (rear)	3,19 cm
DVI port	✗	Weight *	2,52 kg
VGA (D-Sub) ports quantity	1	Other features	
Headphone outputs	1		
S/PDIF out port	✗	3D	✗
Microphone in	✓		

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