

ASUS K550JD-XX003H Intel® Core™ i7 i7-4710HQ Laptop 39,6 cm (15.6") HD 4 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® GT 820M Windows 8.1 Aluminium, Grey



Brand : ASUS

Product code: 90NB0672-M00040

Product name : K550JD-XX003H

NBM K550JD/156/I7-4710/4/500/2/W8

ASUS K550JD-XX003H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4710HQ, Processor frequency: 2,5 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. Operating system installed: Windows 8.1. Product colour: Aluminium, Grey

Design		Performance	
Product type *	Laptop	Motherboard chipset	Intel® HM86
Product colour *	Aluminium, Grey	Keyboard	
Form factor *	Clamshell	Pointing device	Touchpad
Display		Numeric keypad *	✓
Display diagonal *	39,6 cm (15.6")	Full-size keyboard	✓
Display resolution *	1366 x 768 pixels	Windows keys	✓
Touchscreen *	✗	Software	
HD type	HD	Operating system architecture	64-bit
LED backlight	✓	Operating system installed *	Windows 8.1
Native aspect ratio	16:9	Processor special features	
Display surface	Gloss	Intel® Wireless Display (Intel® WiDi)	✓
Processor		Intel® My WiFi Technology (Intel® MWT)	✗
Processor manufacturer *	Intel	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor family *	Intel® Core™ i7	Intel® Smart Response Technology	✗
Processor generation	4th gen Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	i7-4710HQ	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores	4	Intel® Turbo Boost Technology	2.0
Processor threads	8	Intel® Small Business Advantage (Intel® SBA)	✗
Processor boost frequency	3,5 GHz	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor frequency *	2,5 GHz	Intel® High Definition Audio (Intel® HD Audio)	✗
System bus rate	5 GT/s	Intel® Active Management Technology (Intel® AMT)	✗
Processor cache	6 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket	BGA 1364	Intel Clear Video Technology	✗
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-4700 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		
FSB Parity	✗		
Stepping	C0		
Thermal Design Power (TDP)	47 W		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel® InTru™ 3D Technology	✓
PCI Express slots version	3.0	Intel® Insider™	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Quick Sync Video Technology	✓
ECC supported by processor	✗	Intel Flex Memory Access	✗
Memory		Intel® Smart Cache	✓
Internal memory *	4 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory type	DDR3-SDRAM	Intel Trusted Execution Technology	✗
Memory form factor	SO-DIMM	Intel Enhanced Halt State	✓
Memory layout (slots x size)	1 x 4 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum internal memory *	12 GB	Intel Demand Based Switching	✗
Storage		Intel® Secure Key	✓
Total storage capacity *	500 GB	Intel TSX-NI	✗
Storage media *	HDD	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Number of HDDs installed	1	Intel 64	✓
HDD capacity	500 GB	Execute Disable Bit	✓
HDD interface	SATA	Idle States	✓
HDD speed	5400 RPM	Thermal Monitoring Technologies	✓
HDD size	2.5"	Processor package size	37.5 x 32 x 1.6 mm
Optical drive type *	DVD Super Multi DL	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Card reader integrated	✓	Processor code	SR1PX
Compatible memory cards	SD	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	NVIDIA® GeForce® GT 820M	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card memory	2 GB	Intel Identity Protection Technology version	1,00
Discrete graphics memory type	GDDR5	Intel Secure Key Technology version	1,00
On-board graphics card *	✓	Intel TSX-NI version	0,00
Discrete graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® HD Graphics	Intel Dual Display Capable Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel FDI Technology	✓
On-board graphics card base frequency	400 MHz	Intel Rapid Storage Technology	✗
On-board graphics card dynamic frequency (max)	1200 MHz	Intel Fast Memory Access	✗
Maximum on-board graphics card memory	1,74 GB	Processor ARK ID	78930
On-board graphics card DirectX version	12.0	Conflict-Free processor	✓
On-board graphics card OpenGL version	4.3	Battery	
On-board graphics card ID	0x416	Number of battery cells	4
Number of discrete graphics cards supported	1	Power	
Number of discrete graphics cards installed	1	AC adapter power	120 W
Audio		AC adapter frequency	50 - 60 Hz
Number of built-in speakers	2	AC adapter input voltage	100 - 240 V
Built-in microphone	✓	DC-in jack	✓
Camera		Security	
Front camera	✓	Cable lock slot	✗
Front camera resolution (numeric)	0,5 MP	Fingerprint reader	✗
Network		Weight & dimensions	
Wi-Fi	✓	Width	380 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth	251 mm
Ethernet LAN	✓	Height (front)	3,48 cm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height (rear)	4,17 cm
Bluetooth	✓	Weight *	2,45 kg
Bluetooth version	4.0		

Ports & interfaces		Packaging content	
USB 2.0 ports quantity *	1	AC adapter included *	✓
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	✗	Power cord included	✓
VGA (D-Sub) ports quantity	1	Other features	
S/PDIF out port	✗	Disc types supported	CD-R, CD-RW, DVD+R, DVD+R DL, DVD+RW, DVD-R, DVD-R DL, DVD-RW
Microphone in	✗	3D	✗
Combo headphone/mic port	✓	Maximum internal memory (64-bit)	12 GB
Docking connector	✗	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		



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