

ASUS K551LN-DM550H laptop Intel® Core™ i3 i3-4030U 15.6" Full HD 4 GB DDR3L-SDRAM 1.02 TB HDD+SSD NVIDIA® GeForce® GT 840M Windows 8 Gray, Silver

Brand : ASUS

Article code: K551LN-DM550H

Product name : K551LN-DM550H

Intel Core i3-4030U (3MB Cache, 1.9GHz), 4GB DDR3, 1000GB HDD + 24GB SSD, Intel HD Graphics 4400 + NVIDIA GeForce GT 840M, WLAN 802.11 b/g/n, Gigabit Ethernet, Webcam, Windows 8
 ASUS K551LN-DM550H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor model: i3-4030U, Processor frequency: 1.9 GHz. Display diagonal: 15.6", HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1.02 TB, Storage media: HDD+SSD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8. Product color: Gray, Silver



Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product color *	Gray, Silver	Numeric keypad *	✓
Form factor *	Clamshell	Windows keys	✓
Display		Software	
Display diagonal *	15.6"	Operating system installed *	Windows 8
Display resolution *	1920 x 1080 pixels	Processor special features	
HD type	Full HD	Intel® Wireless Display (Intel® WiDi)	✓
LED backlight	✓	Intel® My WiFi Technology (Intel® MWT)	✗
Native aspect ratio	16:9	Intel Smart Connect Technology	✓
Processor		Intel® Anti-Theft Technology (Intel® AT)	✓
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor family *	Intel® Core™ i3	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor generation	4th gen Intel® Core™ i3	Intel® Turbo Boost Technology	✗
Processor model *	i3-4030U	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor cores	2	Intel® High Definition Audio (Intel® HD Audio)	✓
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	1.9 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
System bus rate	5 GT/s	Intel Clear Video Technology	✗
Processor cache	3 MB	Intel® InTru™ 3D Technology	✓
Processor cache type	Smart Cache	Intel® Insider™	✓
Processor socket	BGA 1168		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel® Core™ i3-4000 Mobile Series		
Processor codename	Haswell		
Bus type	DMI2		
FSB Parity	✗		
Stepping	D0		

Processor		Processor special features	
Thermal Design Power (TDP)	15 W	Intel® Quick Sync Video Technology	✓
Tjunction	100 °C	Intel Flex Memory Access	✗
Maximum number of PCI Express lanes	12	Intel® Smart Cache	✓
PCI Express slots version	2.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	4x1, 2x4	Intel Trusted Execution Technology	✗
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	4 GB	Intel Demand Based Switching	✗
Internal memory type	DDR3L-SDRAM	Intel® Secure Key	✓
Memory clock speed	1600 MHz	Intel TSX-NI	✗
Storage		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Total storage capacity *	1.02 TB	Intel 64	✓
Storage media *	HDD+SSD	Execute Disable Bit	✓
Number of HDDs installed	1	Idle States	✓
HDD capacity	1 TB	Thermal Monitoring Technologies	✓
HDD speed	5400 RPM	Processor package size	40 x 24 x 1.5 mm
Number of SSDs installed	1	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
SSD capacity	24 GB	Processor code	SR1EN
Optical drive type *	DVD Super Multi	CPU configuration (max)	1
Card reader integrated	✓	Embedded options available	✗
Compatible memory cards	SD, SDHC	UART	✓
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	NVIDIA® GeForce® GT 840M	Intel Smart Connect Technology version	1.00
Discrete graphics card memory	2 GB	Intel Identity Protection Technology version	1.00
Discrete graphics memory type	GDDR3	Intel Secure Key Technology version	1.00
On-board graphics card *	✓	Intel ME Firmware Version	9.5
Discrete graphics card *	✓	Intel TSX-NI version	0.00
On-board graphics card family	Intel® HD Graphics	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® HD Graphics 4400	Intel Dual Display Capable Technology	✗
On-board graphics card base frequency	200 MHz	Intel FDI Technology	✗
On-board graphics card dynamic frequency (max)	1000 MHz	Intel Rapid Storage Technology	✓
Maximum on-board graphics card memory	2 GB	Intel Fast Memory Access	✗
On-board graphics card DirectX version	12	Processor ARK ID	81018
On-board graphics card ID	0xA16	Conflict-Free processor	✓
Audio		Battery	
Audio system	SonicMaster Lite	Battery technology	Lithium Polymer (LiPo)
Built-in microphone	✓	Number of battery cells	3
Camera		Battery capacity	4500 mAh
Front camera	✓	Battery capacity *	50 Wh
Network		Power	
Wi-Fi	✓	AC adapter frequency	50 - 60 Hz
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	AC adapter input voltage	100 - 240 V
Ethernet LAN	✓	AC adapter output current	3.42 A
Ethernet LAN data rates	10,100,1000 Mbit/s	AC adapter output voltage	19 V
Bluetooth	✗	DC-in jack	✓
Ports & interfaces		Security	
USB 2.0 ports quantity *	1	Cable lock slot	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Cable lock slot type	Kensington
Ethernet LAN (RJ-45) ports	1	Password protection	✓
HDMI ports quantity *	1		
DVI port	✗		

Ports & interfaces		Security	
S/PDIF out port	✗	Password protection type	HDD, User
Microphone in	✗	Weight & dimensions	
Combo headphone/mic port	✓	Width	15" (380 mm)
Docking connector	✗	Depth	10.2" (258 mm)
ExpressCard slot	✗	Height	0.886" (22.5 mm)
CardBus PCMCIA slot type	✗	Other features	
SmartCard slot	✗	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Total number of SATA connectors	4		
Number of SATA III connectors	4		



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