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 Ethenet, 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	
Product type *	Laptop
Product color *	Gray, Silver
Form factor *	Clamshell

Display	
Display diagonal *	15.6"
Display resolution *	1920 x 1080 pixels
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i3
Processor generation	4th gen Intel® Core™ i3
Processor model *	i3-4030U
Processor cores	2
Processor threads	4
Processor frequency *	1.9 GHz
System bus rate	5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
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

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✔
Windows keys	✔

Software	
Operating system installed *	Windows 8

Processor special features	
Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✘
Intel Smart Connect Technology	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	✘
Intel® Matrix Storage Technology (Intel® MST)	✘
Intel® High Definition Audio (Intel® HD Audio)	✔
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✘
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔

Processor

Thermal Design Power (TDP)	15 W
Tjunction	100 °C
Maximum number of PCI Express lanes	12
PCI Express slots version	2.0
PCI Express configurations	4x1, 2x4
ECC supported by processor	✗

Memory

Internal memory *	4 GB
Internal memory type	DDR3L-SDRAM
Memory clock speed	1600 MHz

Storage

Total storage capacity *	1.02 TB
Storage media *	HDD+SSD
Number of HDDs installed	1
HDD capacity	1 TB
HDD speed	5400 RPM
Number of SSDs installed	1
SSD capacity	24 GB
Optical drive type *	DVD Super Multi
Card reader integrated	✔
Compatible memory cards	SD, SDHC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GT 840M
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 4400
On-board graphics card base frequency	200 MHz
On-board graphics card dynamic frequency (max)	1000 MHz
Maximum on-board graphics card memory	2 GB
On-board graphics card DirectX version	12
On-board graphics card ID	0xA16

Audio

Audio system	SonicMaster Lite
Built-in microphone	✔

Camera

Front camera	✔

Network

Wi-Fi	✔
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✗

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
DVI port	✗

Processor special features

Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✗
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✗
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✗
Intel® Secure Key	✔
Intel TSX-NI	✗
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	40 x 24 x 1.5 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR1EN
CPU configuration (max)	1
Embedded options available	✗
UART	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Smart Connect Technology version	1.00
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel ME Firmware Version	9.5
Intel TSX-NI version	0.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✗
Intel FDI Technology	✗
Intel Rapid Storage Technology	✔
Intel Fast Memory Access	✗
Processor ARK ID	81018
Conflict-Free processor	✔

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	3
Battery capacity	4500 mAh
Battery capacity *	50 Wh

Power

AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	3.42 A
AC adapter output voltage	19 V
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Password protection	✔

Ports & interfaces

S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✘
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✘
Total number of SATA connectors	4
Number of SATA III connectors	4

Security

Password protection type	HDD, User

Weight & dimensions

Width	15" (380 mm)
Depth	10.2" (258 mm)
Height	0.886" (22.5 mm)

Other features

Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x

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