

ASUS K551LN-DM092H Intel® Core™ i7 i7-4500U Laptop 39,6 cm (15.6") Full HD 8 GB DDR3L-SDRAM 1,5 TB HDD NVIDIA® GeForce® GT 840M Windows 8.1 Grey



Brand : ASUS

Article code: 90NB05F2-M01060

Product name : K551LN-DM092H

ASUS K551LN-DM092H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4500U, Processor frequency: 1,8 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1,5 TB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8.1. Product color: Grey

| Design | | Keyboard | |
|---------------------------|----------------------------------|--|-------------|
| Product type * | Laptop | Numeric keypad * | ✓ |
| Product colour * | Grey | Windows keys | ✓ |
| Form factor * | Clamshell | | |
| Display | | Software | |
| Display diagonal * | 39.6 cm (15.6") | Operating system architecture | 64-bit |
| Display resolution * | 1920 x 1080 pixels | Drivers included | ✓ |
| Touchscreen * | ✗ | Operating system installed * | Windows 8.1 |
| HD type | Full HD | | |
| LED backlight | ✓ | | |
| Native aspect ratio | 16:9 | | |
| Processor | | Processor special features | |
| Processor manufacturer * | Intel | Intel® Wireless Display (Intel® WiDi) | ✓ |
| Processor family * | Intel® Core™ i7 | Intel® My WiFi Technology (Intel® MWT) | ✓ |
| Processor generation | 4th gen Intel® Core™ i7 | Intel Smart Connect Technology | ✓ |
| Processor model * | i7-4500U | Intel® Anti-Theft Technology (Intel® AT) | ✓ |
| Processor cores | 2 | Intel® Rapid Start Technology | ✗ |
| Processor threads | 4 | Intel® Smart Response Technology | ✗ |
| Processor boost frequency | 3 GHz | Intel® Identity Protection Technology (Intel® IPT) | ✓ |
| Processor frequency * | 1.8 GHz | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ |
| Processor cache | 4 MB | Intel® Turbo Boost Technology | 2.0 |
| Processor cache type | Smart Cache | Intel® Small Business Advantage (Intel® SBA) | ✗ |
| Processor socket | BGA 1168 | Intel® Matrix Storage Technology (Intel® MST) | ✓ |
| Processor lithography | 22 nm | Intel® High Definition Audio (Intel® HD Audio) | ✓ |
| Processor operating modes | 64-bit | Intel® Active Management Technology (Intel® AMT) | ✗ |
| Processor series | Intel Core i7-4500 Mobile series | Enhanced Intel SpeedStep Technology | ✓ |
| Processor codename | Haswell | | |
| Bus type | DMI2 | | |
| FSB Parity | ✗ | | |
| Stepping | C0 | | |

| Processor | | Processor special features | |
|---|-------------------------------------|---|-------------------------|
| Thermal Design Power (TDP) | 15 W | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| Tjunction | 100 °C | Intel Clear Video Technology | ✗ |
| Maximum number of PCI Express lanes | 12 | Intel® InTru™ 3D Technology | ✓ |
| PCI Express slots version | 2.0 | Intel® Insider™ | ✓ |
| PCI Express configurations | 2x4 | Intel® Quick Sync Video Technology | ✓ |
| ECC supported by processor | ✗ | Intel Flex Memory Access | ✗ |
| Memory | | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Internal memory * | 8 GB | Intel Trusted Execution Technology | ✗ |
| Internal memory type | DDR3L-SDRAM | Intel Enhanced Halt State | ✓ |
| Memory clock speed | 1600 MHz | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Storage | | Intel Demand Based Switching | ✗ |
| Total storage capacity * | 1.5 TB | Intel® Secure Key | ✓ |
| Storage media * | HDD | Intel TSX-NI | ✗ |
| Number of HDDs installed | 1 | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✗ |
| HDD capacity | 1.5 TB | Intel 64 | ✓ |
| HDD speed | 5400 RPM | Execute Disable Bit | ✓ |
| Optical drive type * | DVD Super Multi | Idle States | ✓ |
| Card reader integrated | ✓ | Thermal Monitoring Technologies | ✓ |
| Compatible memory cards | SD, SDHC | Processor package size | 40 x 24 x 1.5 mm |
| Graphics | | Supported instruction sets | AVX 2.0, SSE4.1, SSE4.2 |
| Discrete graphics card model * | NVIDIA® GeForce® GT 840M | Processor code | SR16Z |
| Discrete graphics card memory | 2 GB | CPU configuration (max) | 1 |
| On-board graphics card * | ✓ | Embedded options available | ✗ |
| Discrete graphics card * | ✓ | Intel Virtualization Technology for Directed I/O (VT-d) | ✗ |
| On-board graphics card family | Intel® HD Graphics | Intel Smart Connect Technology version | 1.00 |
| On-board graphics card model * | Intel® HD Graphics 4400 | Intel Identity Protection Technology version | 1.00 |
| On-board graphics card base frequency | 200 MHz | Intel Secure Key Technology version | 1.00 |
| On-board graphics card dynamic frequency (max) | 1100 MHz | Intel ME Firmware Version | 9.5 |
| Maximum on-board graphics card memory | 1.74 GB | Intel TSX-NI version | 0.00 |
| On-board graphics card DirectX version | 12 | Intel Virtualization Technology (VT-x) | ✓ |
| On-board graphics card ID | 0xA16 | Intel Dual Display Capable Technology | ✗ |
| Number of discrete graphics cards supported | 1 | Intel FDI Technology | ✓ |
| Number of discrete graphics cards installed | 1 | Intel Rapid Storage Technology | ✓ |
| Audio | | Intel Fast Memory Access | ✗ |
| Audio system | SonicMaster | Processor ARK ID | 75460 |
| Built-in microphone | ✓ | Conflict-Free processor | ✓ |
| Camera | | Battery | |
| Front camera | ✓ | Battery technology | Lithium Polymer (LiPo) |
| Front camera resolution | 1280 x 720 pixels | Number of battery cells | 3 |
| Network | | Battery capacity | 4500 mAh |
| Wi-Fi | ✓ | Battery capacity * | 50 Wh |
| Wi-Fi standards | 802.11b, 802.11g, Wi-Fi 4 (802.11n) | Power | |
| Ethernet LAN | ✓ | AC adapter frequency | 50 - 60 Hz |
| Ethernet LAN data rates | 10,100,1000 Mbit/s | AC adapter input voltage | 100 - 240 V |
| Bluetooth | ✓ | AC adapter output current | 3.42 A |
| Bluetooth version | 4.0 | AC adapter output voltage | 19 V |
| Ports & interfaces | | DC-in jack | ✓ |
| USB 2.0 ports quantity * | 1 | Security | |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 | | |
| Ethernet LAN (RJ-45) ports | 1 | | |

| Ports & interfaces | | Security | |
|---------------------------------|-------------|--------------------------|------------|
| HDMI ports quantity * | 1 | Cable lock slot | ✓ |
| DVI port | ✗ | Cable lock slot type | Kensington |
| VGA (D-Sub) ports quantity | 1 | Password protection | ✓ |
| Headphone outputs | 1 | Password protection type | HDD, User |
| S/PDIF out port | ✗ | Weight & dimensions | |
| Microphone in | ✓ | Width | 380 mm |
| Combo headphone/mic port | ✓ | Depth | 258 mm |
| Docking connector | ✗ | Height | 22.5 mm |
| ExpressCard slot | ✗ | Packaging content | |
| CardBus PCMCIA slot type | ✗ | AC adapter included * | ✓ |
| SmartCard slot | ✗ | | |
| Total number of SATA connectors | 4 | | |
| Number of SATA III connectors | 4 | | |
| Performance | | | |
| Motherboard chipset | Intel® HM86 | | |
| Keyboard | | | |
| Pointing device | Touchpad | | |



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