

**ASUS Vivobook S451LB-CA011H laptop Intel® Core™ i5 i5-4200U
35.6 cm (14") Touchscreen 4 GB DDR3-SDRAM 500 GB HDD
NVIDIA® GeForce® GT 740M Windows 8 Black, Stainless steel**



Brand : ASUS

Product family: Vivobook

Product code: S451LB-CA011H

Product name : S451LB-CA011H

Intel Core i5-4200U (3M Cache, 1.6GHz), 14.0" 16:9 HD (1366x768) touch, 4GB DDR3, 500GB HDD, Super-Multi DVD, Intel HD Graphics 4400 + NVIDIA GeForce GT 740M 2GB DDR3 VRAM, Gigabit Ethernet, WLAN 802.11 b/g/n, Bluetooth 4.0, HD WebCam, Windows 8

ASUS Vivobook S451LB-CA011H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-4200U, Processor frequency: 1.6 GHz. Display diagonal: 35.6 cm (14"), Display resolution: 1366 x 768 pixels, Touchscreen. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8. Product colour: Black, Stainless steel

| Design | | Ports & interfaces | |
|-------------------------------------|----------------------------------|--|-----------|
| Product type * | Laptop | Number of SATA III connectors | 4 |
| Product colour * | Black, Stainless steel | Keyboard | |
| Form factor * | Clamshell | Pointing device | Touchpad |
| Display | | Numeric keypad * | ✗ |
| Touchscreen type | Capacitive | Windows keys | ✓ |
| Display diagonal * | 35.6 cm (14") | Software | |
| Display resolution * | 1366 x 768 pixels | Operating system installed * | Windows 8 |
| Touchscreen * | ✓ | Processor special features | |
| HD type | Not supported | Intel® Wireless Display (Intel® WiDi) | ✓ |
| Touch technology | Multi-touch | 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™ i5 | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ |
| Processor generation | 4th gen Intel® Core™ i5 | Intel® Turbo Boost Technology | 2.0 |
| Processor model * | i5-4200U | Intel® Matrix Storage Technology (Intel® MST) | ✗ |
| Processor cores | 2 | Intel® High Definition Audio (Intel® HD Audio) | ✓ |
| Processor threads | 4 | Enhanced Intel SpeedStep Technology | ✓ |
| Processor boost frequency | 2.6 GHz | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| Processor frequency * | 1.6 GHz | Intel Clear Video Technology | ✗ |
| Processor cache | 3 MB | Intel® InTru™ 3D Technology | ✓ |
| Processor cache type | Smart Cache | Intel® Insider™ | ✓ |
| Processor socket | BGA 1168 | Intel® Quick Sync Video Technology | ✓ |
| Processor lithography | 22 nm | Intel Flex Memory Access | ✗ |
| Processor operating modes | 64-bit | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Processor series | Intel Core i5-4200 Mobile series | Intel Trusted Execution Technology | ✗ |
| Processor codename | Haswell | Intel Enhanced Halt State | ✓ |
| Bus type | DMI2 | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| FSB Parity | ✗ | | |
| Stepping | C0 | | |
| 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 | 1x4, 2x4 | | |
| ECC supported by processor | ✗ | | |

| Memory | | Processor special features | |
|---|-------------------------------------|---|------------------|
| Internal memory * | 4 GB | Intel Demand Based Switching | ✗ |
| Internal memory type | DDR3-SDRAM | Intel® Secure Key | ✓ |
| Memory slots | 1x SO-DIMM | Intel TSX-NI | ✗ |
| Maximum internal memory * | 8 GB | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✗ |
| Storage | | Intel 64 | ✓ |
| Total storage capacity * | 500 GB | Execute Disable Bit | ✓ |
| Storage media * | HDD | Idle States | ✓ |
| Number of HDDs installed | 1 | Thermal Monitoring Technologies | ✓ |
| HDD capacity | 500 GB | Processor package size | 40 x 24 x 1.5 mm |
| Optical drive type * | DVD Super Multi | Supported instruction sets | AVX 2.0 |
| Card reader integrated | ✓ | Processor code | SR170 |
| Compatible memory cards | SD, SDHC | CPU configuration (max) | 1 |
| Graphics | | Embedded options available | ✗ |
| Discrete graphics card model * | NVIDIA® GeForce® GT 740M | Intel Virtualization Technology for Directed I/O (VT-d) | ✗ |
| Discrete graphics card memory | 2 GB | Intel Smart Connect Technology version | 1.00 |
| Discrete graphics memory type | GDDR3 | Intel Identity Protection Technology version | 1.00 |
| On-board graphics card * | ✓ | Intel Secure Key Technology version | 1.00 |
| Discrete graphics card * | ✓ | Intel ME Firmware Version | 9.5 |
| On-board graphics card family | Intel® HD Graphics | Intel TSX-NI version | 0.00 |
| On-board graphics card model * | Intel® HD Graphics 4400 | Intel Virtualization Technology (VT-x) | ✓ |
| On-board graphics card base frequency | 200 MHz | Intel Dual Display Capable Technology | ✗ |
| On-board graphics card dynamic frequency (max) | 1000 MHz | Intel FDI Technology | ✗ |
| Maximum on-board graphics card memory | 1.74 GB | Intel Rapid Storage Technology | ✓ |
| On-board graphics card DirectX version | 12 | Intel Fast Memory Access | ✗ |
| On-board graphics card ID | 0xA16 | Processor ARK ID | 75459 |
| Audio | | Conflict-Free processor | ✓ |
| Audio system | SonicMaster | | |
| Built-in microphone | ✓ | | |
| Camera | | Battery | |
| Front camera | ✓ | Number of battery cells | 4 |
| Network | | Battery capacity * | 46 Wh |
| Wi-Fi | ✓ | Power | |
| Wi-Fi standards | 802.11b, 802.11g, Wi-Fi 4 (802.11n) | AC adapter power | 65 W |
| 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 |
| 4G WiMAX | ✗ | 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 type | HDD, User |
| HDMI ports quantity * | 1 | Weight & dimensions | |
| DVI port | ✗ | Width | 348 mm |
| S/PDIF out port | ✗ | Depth | 241.8 mm |
| Microphone in | ✗ | Height | 24.8 mm |
| Combo headphone/mic port | ✓ | Weight * | 2.2 kg |
| Docking connector | ✗ | Other features | |
| ExpressCard slot | ✗ | 3D | ✗ |
| CardBus PCMCIA slot type | ✗ | | |
| SmartCard slot | ✗ | | |

Ports & interfaces

Total number of SATA connectors 4

Catalog Object Cloud



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