

**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	<b>Keyboard</b>	
Form factor *	Clamshell	Pointing device	Touchpad
Display		Numeric keypad *	✗
Touchscreen type	Capacitive	Windows keys	✓
Display diagonal *	35,6 cm (14")	<b>Software</b>	
Display resolution *	1366 x 768 pixels	Operating system installed *	Windows 8
Touchscreen *	✓	<b>Processor special features</b>	
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 hard drives installed	1	Thermal Monitoring Technologies	✓
Hard drive 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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