Lenovo

Lenovo IdeaPad S310 Intel® Core™ i5 i5-4200U Laptop 33,8 cm (13.3") 4 GB DDR3L-SDRAM 500 GB HDD FreeDOS Aluminium, Brown

Brand : Lenovo   **Product family:** IdeaPad   **Article code:** 59388555

Product name : S310

Lenovo IdeaPad S310. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-4200U, Processor frequency: 1,6 GHz. Display diagonal: 33,8 cm (13.3"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: FreeDOS. Product color: Aluminium, Brown. Weight: 1,8 kg

Design	
Product type *	Laptop
Product color *	Aluminium, Brown
Form factor *	Clamshell
Display	
Display diagonal *	33,8 cm (13.3")
Display resolution *	1366 x 768 pixels
LED backlight	✔
Native aspect ratio	16:9
Display brightness	200 cd/m²
Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	4th gen Intel® Core™ i5
Processor model *	i5-4200U
Processor cores	2
Processor threads	4
Processor boost frequency	2,6 GHz
Processor frequency *	1,6 GHz
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 i5-4200 Mobile series
Processor codename	Haswell
Bus type	DMI2
FSB Parity	✘
Stepping	C0
Thermal Design Power (TDP)	15 W
Tjunction	100 °C

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® Rapid Start Technology	✘
Intel® Smart Response Technology	✘
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✘
Intel® Matrix Storage Technology (Intel® MST)	✘
Intel® High Definition Audio (Intel® HD Audio)	✔
Intel® Active Management Technology (Intel® AMT)	✘
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✘
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✘
Intel® AES New Instructions (Intel® AES-NI)	✔

Processor

Maximum number of PCI Express lanes	12
PCI Express slots version	2.0
PCI Express configurations	1x4, 2x4
ECC supported by processor	✘

Memory

Internal memory *	4 GB
Internal memory type	DDR3L-SDRAM
Memory clock speed	1600 MHz
Maximum internal memory *	8 GB

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	500 GB
HDD interface	SATA
HDD size	2.5"
Optical drive type *	✘
Card reader integrated	✔

Graphics

On-board 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	1,74 GB
On-board graphics card DirectX version	12
On-board graphics card ID	0xA16

Audio

Audio system	Dolby Advanced Audio 2
Number of built-in speakers	2
Speaker power	1,5 W
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 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

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	✘
S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔

Processor special features

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
Processor code	SR170
CPU configuration (max)	1
Embedded options available	✘
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	75459
Conflict-Free processor	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery life (max)	5 h

Power

AC adapter power	65 W
DC-in jack	✔

Security

Cable lock slot	✘
Password protection	✔

Weight & dimensions

Width	330,8 mm
Depth	230,2 mm
Height (front)	8 mm
Height (rear)	2,2 cm
Weight *	1,8 kg

Packaging content

AC adapter included *	✔
Manual	✔
Power cord included	✔

Ports & interfaces			Other features		
Docking connector	✘		LightScribe	✘	
ExpressCard slot	✘		Maximum internal memory (64-bit)	8 GB	
CardBus PCMCIA slot type	✘		Intel® Virtualization Technology (Intel® VT)	VT-x	
SmartCard slot	✘				
Total number of SATA connectors	4				
Number of SATA III connectors	4				

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✘
Full-size keyboard	✔
Windows keys	✔

Software	
Operating system installed *	FreeDOS

Catalog Object Cloud