



Lenovo IdeaPad U310 Touch Intel® Core™ i5 i5-3337U Laptop 33,8 cm (13.3") Touchscreen 4 GB DDR3-SDRAM 524 GB HDD+SSD Windows 8 Grey, Silver

Brand : Lenovo

Product family: IdeaPad

Product code: 59365302

Product name : U310 Touch

13.3" LED HD 1366 x 768 Multi-Touch, Intel Core i5-3337U (3M Cache, 1.8 GHz), 4GB DDR3, Intel HD Graphics 4000, 500GB HDD + 24GB SSD, WLAN 802.11 b/g/n, Bluetooth 4.0, Windows 8 64-bit
Lenovo IdeaPad U310 Touch. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-3337U, Processor frequency: 1,8 GHz. Display diagonal: 33,8 cm (13.3"), Display resolution: 1366 x 768 pixels, Touchscreen. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 524 GB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 8. Product colour: Grey, Silver



Design		Ports & interfaces	
Product type *	Laptop	ExpressCard slot	✗
Product colour *	Grey, Silver	CardBus PCMCIA slot type	✗
Form factor *	Clamshell	SmartCard slot	✗
Display		Headphone connectivity	3.5 mm
Touchscreen type	Capacitive	Performance	
Display diagonal *	33,8 cm (13.3")	Motherboard chipset	Intel HM77 Express
Display resolution *	1366 x 768 pixels	Keyboard	
Touchscreen *	✓	Pointing device	Touchpad
Touch technology	Multi-touch	Numeric keypad *	✗
LED backlight	✓	Windows keys	✓
Native aspect ratio	16:9	Software	
Display surface	Gloss	Operating system architecture	64-bit
Contrast ratio (typical)	500:1	Operating system installed *	Windows 8
Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	Intel® Core™ i5	Intel® My WiFi Technology (Intel® MWT)	✓
Processor generation	3rd gen Intel® Core™ i5	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor model *	i5-3337U	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores	2	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	4	Intel® Turbo Boost Technology	2.0
Processor boost frequency	2,7 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	1,8 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
System bus rate	5 GT/s	Intel Clear Video Technology	✗
Processor cache	3 MB	Intel® InTru™ 3D Technology	✓
Processor cache type	Smart Cache	Intel® Insider™	✓
Processor socket	BGA 1023	Intel® Quick Sync Video Technology	✓
Processor lithography	22 nm	Intel Flex Memory Access	✓
Processor operating modes	64-bit	Intel® Smart Cache	✓
Processor series	Intel Core i5-3300 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		
FSB Parity	✗		
Stepping	L1		
Thermal Design Power (TDP)	17 W		
Tjunction	105 °C		
Maximum number of PCI Express lanes	16		

Processor		Processor special features	
PCI Express slots version	2.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Trusted Execution Technology	✗
CPU multiplier (bus/core ratio)	18	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	4 GB	Intel® Secure Key	✓
Internal memory type	DDR3-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory form factor	SO-DIMM	Intel 64	✓
Memory layout (slots x size)	1 x 4 GB	Execute Disable Bit	✓
Memory slots	1x SO-DIMM	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	524 GB	Processor package size	31 x 24 (BGA1023)
Storage media *	HDD+SSD	Supported instruction sets	AVX
Number of hard drives installed	1	Processor code	SR0XL
Hard drive capacity	500 GB	CPU configuration (max)	1
Hard drive interface	SATA II	Embedded options available	✗
Hard drive speed	5400 RPM	Graphics & IMC lithography	22 nm
Hard drive size	2.5"	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Identity Protection Technology version	1,00
Solid-state drive capacity	24 GB	Intel Secure Key Technology version	1,00
Solid-state drive interface	Micro SATA	Intel Virtualization Technology (VT-x)	✓
Optical drive type *	✗	Intel Dual Display Capable Technology	✓
Card reader integrated	✓	Intel FDI Technology	✓
Compatible memory cards	MMC, SD	Intel Rapid Storage Technology	✗
Graphics		Intel Fast Memory Access	✓
Discrete graphics card model *	Not available	Processor ARK ID	72055
On-board graphics card *	✓	Conflict-Free processor	✓
Discrete graphics card *	✗	Integrated 4G WiMAX	✓
On-board graphics card family	Intel® HD Graphics	Battery	
On-board graphics card model *	Intel® HD Graphics 4000	Battery technology	Lithium Polymer (LiPo)
On-board graphics card base frequency	350 MHz	Number of battery cells	3
On-board graphics card dynamic frequency (max)	1100 MHz	Battery capacity *	46 Wh
On-board graphics card ID	0x166	Battery life (max)	6 h
Audio		Power	
Audio system	Dolby Home Theater v4	AC adapter power	40 W
Number of built-in speakers	2	DC-in jack	✓
Speaker power	1,5 W	Security	
Built-in microphone	✓	Cable lock slot	✗
Camera		Password protection	✓
Front camera	✓	Password protection type	HDD, Supervisor
Network		Certificates	
Wi-Fi	✓	Compliance certificates	RoHS
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Sustainability	
Ethernet LAN	✓	Sustainability certificates	EPEAT Gold, ENERGY STAR
Ethernet LAN data rates	10,100 Mbit/s	Weight & dimensions	
Bluetooth	✓	Width	333 mm
Bluetooth version	4.0	Depth	225 mm
4G WiMAX	✗	Height	18 mm
Ports & interfaces		Weight *	1,8 kg
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		

Ports & interfaces		Packaging content	
DVI port	✗	AC adapter included *	✓
S/PDIF out port	✗	Other features	
Microphone in	✗	LightScribe	✗
Combo headphone/mic port	✓		
Docking connector	✗		



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