Lenovo IdeaPad 100 Intel® Core™ i5 i5-5200U Laptop 39,6 cm (15.6") HD 4 GB DDR3L-SDRAM 1 TB HDD Windows 10 Home Black

Brand : Lenovo　　　　**Product family:** IdeaPad　　　　**Product code:** 80QQ00JGUS

Product name : 100

Intel Core i5-5200U Processor (3M Cache, up to 2.70 GHz), 4GB RAM, 1000GB HDD, 39.624 cm (15.6 ") HD (1366x768), Intel HD Graphics 5500, Windows 10 Home 64
Lenovo IdeaPad 100. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-5200U, Processor frequency: 2,2 GHz. Display diagonal: 39,6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD±RW. Operating system installed: Windows 10 Home. Product colour: Black

Design

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Acrylonitrile butadiene styrene (ABS), Plastic

Display

Display diagonal *	39,6 cm (15.6")
Display resolution *	1366 x 768 pixels
Touchscreen *	✘
HD type	HD
Panel type	TN
LED backlight	✔
Native aspect ratio	16:9
Display surface	Gloss
Display brightness	200 cd/m²
Dual-screen	✘
Contrast ratio (typical)	400:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	5th gen Intel® Core™ i5
Processor model *	i5-5200U
Processor cores	2
Processor threads	4
Processor boost frequency	2,7 GHz
Processor frequency *	2,2 GHz
System bus rate	5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 1168
Processor lithography	14 nm
Processor operating modes	32-bit, 64-bit
Processor series	Intel® Core™ i5-5200 Mobile Series
Processor codename	Broadwell
Bus type	DMI2
FSB Parity	✘
Stepping	F0

Ports & interfaces

CardBus PCMCIA slot type	✘
SmartCard slot	✘

Performance

Motherboard chipset	Intel SoC

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Home

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✘
Intel® Anti-Theft Technology (Intel® AT)	✘
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)	✔
Enhanced Intel SpeedStep Technology	✔
Intel® Built-in Visuals Technology	✔
Intel HD Graphics	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔

Processor

Thermal Design Power (TDP)	15 W
Configurable TDP-down	7,5 W
Configurable TDP-down frequency	0,6 GHz
Tjunction	105 °C
Maximum number of PCI Express lanes	12
PCI Express slots version	2.0
PCI Express configurations	4x1, 2x4
ECC supported by processor	✘

Memory

Internal memory *	4 GB
Internal memory type	DDR3L-SDRAM
Memory clock speed	1333 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 4 GB
Memory slots	1x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	1 TB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	1 TB
HDD interface	SATA III
HDD speed	5400 RPM
HDD size	2.5"
Optical drive type *	DVD±RW
Card reader integrated	✔
Compatible memory cards	MMC, SD, SDHC, SDXC

Graphics

On-board graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 5500
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	900 MHz
Maximum on-board graphics card memory	16 GB
On-board graphics card DirectX version	11.2
On-board graphics card OpenGL version	4.3
On-board graphics card ID	0x1616
Graphics card Open GL support	✔

Audio

Audio system	HD
Number of built-in speakers	1
Speaker power	1,5 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	0,3 MP
Front camera resolution	1280 x 720 pixels

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

Processor special features

Intel Flex Memory Access	✔
Intel® Smart Cache	✘
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✔
Intel® OS Guard	✔
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 1.3 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR23Y
CPU configuration (max)	1
Embedded options available	✘
Graphics & IMC lithography	14 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1,00
Intel Smart Response Technology version	1,00
Intel Secure Key Technology version	1,00
Intel Small Business Advantage (SBA) version	1,00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✘
Intel FDI Technology	✔
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✔
Processor ARK ID	85212
Conflict-Free processor	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)

Power

AC adapter power	45 W
DC-in jack	✔

Security

Cable lock slot	✔
Password protection	✔
Password protection type	HDD, Power on, Supervisor

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	EPEAT Silver, ENERGY STAR

Weight & dimensions

Width	378 mm

Network		
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 *	1	
Ethernet LAN (RJ-45) ports	1	
HDMI ports quantity *	1	
DVI port	✘	
Headphone outputs	1	
S/PDIF out port	✘	
Microphone in	✔	
Combo headphone/mic port	✔	
ExpressCard slot	✘	

Weight & dimensions		
Depth	265 mm	
Height	22,6 mm	
Weight *	2,3 kg	

Packaging content		
AC adapter included *	✔	
Manual	✔	
Power cord included	✔	

Other features		
LightScribe	✘	
Maximum internal memory (64-bit)	8 GB	

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