



Lenovo IdeaPad 310-15 Intel® Core™ i3 i3-7100U Laptop 39.6 cm (15.6") HD 4 GB DDR4-SDRAM 1 TB HDD Windows 10 Home Black

Brand : Lenovo

Product family: IdeaPad

Product code: 80TV00BJUS

Product name : 310-15

Intel Core i3-7100U (2.40 GHz), 4GB RAM, 1000GB HDD, 39.624 cm (15.6 ") HD (1366x768), Intel HD Graphics 620, WLAN, Windows 10 Home

Lenovo IdeaPad 310-15. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor model: i3-7100U, Processor frequency: 2.4 GHz. Display diagonal: 39.6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD±RW. Operating system installed: Windows 10 Home. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	Charging port type	DC-in jack
Product colour *	Black	Keyboard	
Form factor *	Clamshell	Pointing device	Touchpad
Display		Numeric keypad *	✓
Display diagonal *	39.6 cm (15.6")	Windows keys	✓
Display resolution *	1366 x 768 pixels	Software	
Touchscreen *	✗	Operating system architecture	64-bit
HD type	HD	Operating system installed *	Windows 10 Home
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel® Wireless Display (Intel® WiDi)	✓
Display surface	Gloss	Intel® My WiFi Technology (Intel® MWT)	✓
Processor		Intel® Smart Response Technology	✓
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor family *	Intel® Core™ i3	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor generation	7th gen Intel® Core™ i3	Intel® Turbo Boost Technology	✗
Processor model *	i3-7100U	Intel® Small Business Advantage (Intel® SBA)	✓
Processor cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	2.4 GHz	Intel Clear Video Technology	✓
System bus rate	4 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	3 MB	Intel® Insider™	✓
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✓
Processor socket	BGA 1356	Intel Flex Memory Access	✓
Processor lithography	14 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes	64-bit	Intel Trusted Execution Technology	✗
Processor codename	Kaby Lake		
Bus type	OPI		
Stepping	H0		
Thermal Design Power (TDP)	15 W		
Configurable TDP-down	7.5 W		
Configurable TDP-down frequency	0.8 GHz		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	12	Intel Enhanced Halt State	✓
PCI Express slots version	3.0	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel® Secure Key	✓
ECC supported by processor	✗	Intel TSX-NI	✗
Memory		Intel Stable Image Platform Program (SIPP)	✗
Internal memory *	4 GB	Intel® OS Guard	✓
Internal memory type	DDR4-SDRAM	Intel Software Guard Extensions (Intel SGX)	✓
Memory clock speed	2133 MHz	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory form factor	On-board + SO-DIMM	Intel 64	✓
Memory slots	1x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	12 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	1 TB	Processor package size	42 x 24 mm
Storage media *	HDD	Supported instruction sets	AVX 2.0, SSE4.2
Number of HDDs installed	1	Processor code	SR2ZW
HDD capacity	1 TB	CPU configuration (max)	1
HDD interface	SATA III	Embedded options available	✓
HDD speed	5400 RPM	Graphics & IMC lithography	14 nm
HDD size	2.5"	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	DVD±RW	Intel Identity Protection Technology version	1.00
Card reader integrated	✓	Intel Smart Response Technology version	1.00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Stable Image Platform Program (SIPP) version	0.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	Not available	Intel TSX-NI version	0.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✗	Processor ARK ID	95442
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 620	Battery	
On-board graphics card base frequency	300 MHz	Battery technology	Lithium Polymer (LiPo)
On-board graphics card dynamic frequency (max)	1000 MHz	Number of battery cells	2
Maximum on-board graphics card memory	32 GB	Battery capacity *	30 Wh
On-board graphics card DirectX version	12.0	Battery life (max)	5 h
On-board graphics card OpenGL version	4.4	Security	
On-board graphics card ID	0x5916	Cable lock slot	✓
Audio		Password protection	✓
Number of built-in speakers	2	Password protection type	HDD, Power on, Supervisor
Speaker power	1.5 W	Sustainability	
Built-in microphone	✓	Sustainability certificates	RoHS, EPEAT Silver, ENERGY STAR
Camera		Weight & dimensions	
Front camera	✓	Width	379 mm
Network		Depth	260 mm
Wi-Fi	✓	Height	22.9 mm
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Weight *	2.2 kg
Ethernet LAN	✓	Packaging content	
Ethernet LAN data rates	10,100,1000 Mbit/s	Manual	✓
Bluetooth	✓	Other features	
Bluetooth version	4.0	AC adapter included	✓
Ports & interfaces		LightScribe	✗
USB 2.0 ports quantity *	2		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1		
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		

Ports & interfaces

DVI port	✗
VGA (D-Sub) ports quantity	1
Combo headphone/mic port	✓
Docking connector	✗

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