



Lenovo IdeaPad 310 Intel® Core™ i5 i5-7200U Computer portatile 39,6 cm (15.6") HD 4 GB DDR4-SDRAM 128 GB SSD Wi-Fi 5 (802.11ac) Windows 10 Home Nero

Marchio : Lenovo

Famiglia del prodotto:
IdeaPad

Codice prodotto: 80TV029TSP



Nome del prodotto : 310

Lenovo IdeaPad 310. Tipo di prodotto: Computer portatile, Fattore di forma: Clamshell. Famiglia processore: Intel® Core™ i5, Modello del processore: i5-7200U, Frequenza del processore: 2,5 GHz. Dimensioni diagonale schermo: 39,6 cm (15.6"), Tipologia HD: HD, Risoluzione del display: 1366 x 768 Pixel. RAM installata: 4 GB, Tipo di RAM: DDR4-SDRAM. Capacità totale di archiviazione: 128 GB, Supporto di memoria: SSD, Tipo drive ottico: DVD Super Multi. Sistema operativo incluso: Windows 10 Home. Colore del prodotto: Nero



Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Black	Numeric keypad *	✓
Form factor *	Clamshell	Full-size keyboard	✓
Housing material	Acrylonitrile butadiene styrene (ABS), Plastic, Polycarbonate (PC)	Windows keys	✓
Display		Software	
Display diagonal *	39.6 cm (15.6")	Operating system architecture	64-bit
Display resolution *	1366 x 768 pixels	Trial software	McAfee LiveSafe
Touchscreen *	✗	Operating system installed *	Windows 10 Home
HD type	HD	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	Intel® My WiFi Technology (Intel® MWT)	✓
Display surface	Gloss	Intel® Smart Response Technology	✓
Screen shape	Flat	Intel® Identity Protection Technology (Intel® IPT)	✓
Display brightness	200 cd/m²	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor		Intel® Turbo Boost Technology	2.0
Processor manufacturer *	Intel	Intel® Small Business Advantage (Intel® SBA)	✓
Processor family *	Intel® Core™ i5	Enhanced Intel SpeedStep Technology	✓
Processor generation	7th gen Intel® Core™ i5	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor model *	i5-7200U	Intel Clear Video Technology	✓
Processor cores	2	Intel® InTru™ 3D Technology	✓
Processor threads	4	Intel® Insider™	✓
Processor boost frequency	3.1 GHz	Intel® Quick Sync Video Technology	✓
Processor frequency *	2.5 GHz	Intel Flex Memory Access	✓
System bus rate	4 GT/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache	3 MB	Intel Trusted Execution Technology	✗
Processor cache type	Smart Cache	Intel Enhanced Halt State	✓
Processor socket	BGA 1356		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Kaby Lake		
Bus type	OPI		
Stepping	H0		
Thermal Design Power (TDP)	15 W		

Processor		Processor special features	
Configurable TDP-up frequency	2.7 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-up	25 W	Intel® Secure Key	✓
Configurable TDP-down	7.5 W	Intel TSX-NI	✗
Configurable TDP-down frequency	0.8 GHz	Intel Stable Image Platform Program (SIPP)	✗
Tjunction	100 °C	Intel® OS Guard	✓
Maximum number of PCI Express lanes	12	Intel Software Guard Extensions (Intel SGX)	✓
PCI Express slots version	3.0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel 64	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory		Idle States	✓
Internal memory *	4 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR4-SDRAM	Processor package size	42 x 24 mm
Memory clock speed	2133 MHz	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory form factor	On-board + SO-DIMM	Processor code	SR2ZU
Memory slots	1x SO-DIMM	CPU configuration (max)	1
Maximum internal memory *	12 GB	Embedded options available	✗
Storage		Graphics & IMC lithography	14 nm
Total storage capacity *	128 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	SSD	Intel Identity Protection Technology version	1.00
Number of SSDs installed	1	Intel Smart Response Technology version	1.00
SSD capacity	128 GB	Intel Stable Image Platform Program (SIPP) version	0.00
SSD interface	SATA III	Intel Secure Key Technology version	1.00
Optical drive type *	DVD Super Multi	Intel TSX-NI version	0.00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	MMC, SD, SDHC, SDXC	Processor ARK ID	95443
Graphics		Conflict-Free processor	✓
Discrete graphics card model *	Not available	Battery	
On-board graphics card *	✓	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card *	✗	Number of battery cells	2
On-board graphics card family	Intel® HD Graphics	Battery capacity *	30 Wh
On-board graphics card model *	Intel® HD Graphics 620	Battery life (max)	4 h
On-board graphics card base frequency	300 MHz	Power	
On-board graphics card dynamic frequency (max)	1000 MHz	AC adapter power	45 W
Maximum on-board graphics card memory	32 GB	AC adapter frequency	50 - 60 Hz
On-board graphics card DirectX version	12.0	AC adapter input voltage	100 - 240 V
On-board graphics card OpenGL version	4.4	DC-in jack	✓
On-board graphics card ID	0x5916	Security	
Audio		Cable lock slot	✓
Number of built-in speakers	2	Password protection	✓
Speaker power	1.5 W	Password protection type	HDD, Power on, Supervisor
Built-in microphone	✓	Certificates	
Camera		Compliance certificates	RoHS
Front camera	✓	Sustainability	
Network		Sustainability certificates	EPEAT Silver, ENERGY STAR
Wi-Fi	✓	Weight & dimensions	
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Width	379 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth	260 mm
Ethernet LAN	✓	Height	22.9 mm
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.1		

Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	2	Weight *	2.2 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Packaging content	
Ethernet LAN (RJ-45) ports	1	AC adapter included *	✓
HDMI ports quantity *	1	Manual	✓
DVI port	✗	Quick start guide	✓
VGA (D-Sub) ports quantity	1	Power cord included	✓
Microphone in	✗	Other features	
Combo headphone/mic port	✓	Maximum internal memory (64-bit) 12 GB	
Docking connector	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Performance			
Motherboard chipset	Intel SoC		



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