



Lenovo IdeaPad 300 Intel® Core™ i7 i7-6500U Laptop 39,6 cm (15.6") HD 8 GB DDR3L-SDRAM 1 TB HDD AMD Radeon R5 M330 FreeDOS Black, Silver

Brand : Lenovo

Product family: IdeaPad

Product code: 80Q701L2IH

Product name : 300



39.624 cm (15.6 ") LED HD 1366 x 768, Intel Core i7-6500U (4M Cache, 2.5 GHz), 8GB DDR3L, AMD Radeon R5 M330 2GB, 1000GB HDD, WLAN 802.11 ac/a/b/g/n, DOS
Lenovo IdeaPad 300. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-6500U, Processor frequency: 2,5 GHz. Display diagonal: 39,6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 520. Operating system installed: FreeDOS. Product colour: Black, Silver



Design		Ports & interfaces	
Product type *	Laptop	SmartCard slot	✗
Product colour *	Black, Silver	Performance	
Form factor *	Clamshell	Motherboard chipset	Intel SoC
Housing material	Acrylonitrile butadiene styrene (ABS)	Keyboard	
Market positioning	Business	Pointing device	Touchpad
Display		Numeric keypad *	✓
Display diagonal *	39,6 cm (15.6")	Full-size keyboard	✓
Display resolution *	1366 x 768 pixels	Windows keys	✓
Touchscreen *	✗	Software	
HD type	HD	Operating system architecture	64-bit
LED backlight	✓	Operating system installed *	FreeDOS
Native aspect ratio	16:9	Processor special features	
Screen shape	Flat	Intel® Wireless Display (Intel® WiDi)	✓
Processor		Intel® My WiFi Technology (Intel® MWT)	✓
Processor manufacturer *	Intel	Intel® Smart Response Technology	✓
Processor family *	Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	6th gen Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i7-6500U	Intel® Turbo Boost Technology	2.0
Processor cores	2	Intel® Small Business Advantage (Intel® SBA)	✓
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3,1 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	2,5 GHz	Intel Clear Video Technology	✓
System bus rate	4 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	4 MB	Intel® Insider™	✓
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✓
Processor socket	LGA 1356 (Socket B2)		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-6500 Mobile series		
Processor codename	Skylake		
Bus type	OPI		
Stepping	D1		

Processor		Processor special features	
Thermal Design Power (TDP)	15 W	Intel Flex Memory Access	✓
Configurable TDP-up frequency	2,6 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Configurable TDP-up	25 W	Intel Trusted Execution Technology	✗
Configurable TDP-down	7,5 W	Intel Enhanced Halt State	✓
Configurable TDP-down frequency	0,8 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Tjunction	100 °C	Intel® Secure Key	✓
Maximum number of PCI Express lanes	12	Intel TSX-NI	✗
PCI Express slots version	3.0	Intel Stable Image Platform Program (SIPP)	✗
PCI Express configurations	1x4, 4x1	Intel® OS Guard	✓
ECC supported by processor	✗	Intel Software Guard Extensions (Intel SGX)	✓
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory *	8 GB	Intel 64	✓
Internal memory type	DDR3L-SDRAM	Execute Disable Bit	✓
Memory clock speed	1600 MHz	Idle States	✓
Memory form factor	SO-DIMM	Thermal Monitoring Technologies	✓
Memory slots	2x SO-DIMM	Processor package size	42 X 24 mm
Maximum internal memory *	16 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Storage		Processor code	SR2EZ
Total storage capacity *	1 TB	CPU configuration (max)	1
Storage media *	HDD	Embedded options available	✗
Number of HDDs installed	1	Graphics & IMC lithography	14 nm
HDD capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	✗	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 *	AMD Radeon R5 M330	Intel Small Business Advantage (SBA) version	1,00
Discrete graphics card memory	2 GB	Intel TSX-NI version	1,00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Processor ARK ID	88194
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 520	Battery	
On-board graphics card base frequency	300 MHz	Battery life (max)	4 h
On-board graphics card dynamic frequency (max)	1050 MHz	Power	
Maximum on-board graphics card memory	1,74 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	1916	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	✓		
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.0		

Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	2	Width	384 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Depth	265 mm
Ethernet LAN (RJ-45) ports	1	Height	22,9 mm
HDMI ports quantity *	1	Weight *	2,3 kg
DVI port	✗	Packaging content	
VGA (D-Sub) ports quantity	1	AC adapter included *	✓
S/PDIF out port	✗	Manual	✓
Microphone in	✗	Power cord included	✓
Combo headphone/mic port	✓	Other features	
Docking connector	✗	LightScribe	✗
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		

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