



## Lenovo IdeaPad Flex 4 15 Intel® Core™ i3 i3-7100U Hybrid (2-in-1) 39.6 cm (15.6") Touchscreen Full HD 8 GB DDR4-SDRAM 1 TB HDD Windows 10 Home Black



**Brand :** Lenovo

**Product family:** IdeaPad

**Product code:** 80VE000CUS

**Product name :** Flex 4 15

Intel Core i3-7100U Processor (3M Cache, 2.40 GHz), 8GB RAM, 1000GB HDD, 15.6" FHD (1920x1080) IPS MT, Intel HD Graphics 620, Windows 10 Home 64

Lenovo IdeaPad Flex 4 15. Product type: Hybrid (2-in-1), Form factor: Convertible (Folder). Processor family: Intel® Core™ i3, Processor model: i3-7100U, Processor frequency: 2.4 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touchscreen. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: HDD. Operating system installed: Windows 10 Home. Product colour: Black

Design		Keyboard	
Product type *	Hybrid (2-in-1)	Numeric keypad *	✓
Product colour *	Black	Windows keys	✓
Form factor *	Convertible (Folder)	<b>Software</b>	
Housing material	Acrylonitrile butadiene styrene (ABS), Plastic, Polycarbonate (PC)	Operating system architecture	64-bit
<b>Display</b>		Operating system installed *	Windows 10 Home
Touchscreen type	Capacitive	<b>Processor special features</b>	
Display diagonal *	39.6 cm (15.6")	Intel® Wireless Display (Intel® WiDi)	✓
Display resolution *	1920 x 1080 pixels	Intel® My WiFi Technology (Intel® MWT)	✓
Touchscreen *	✓	Intel® Smart Response Technology	✓
HD type	Full HD	Intel® Identity Protection Technology (Intel® IPT)	✓
Touch technology	Multi-touch	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Panel type	IPS	Intel® Turbo Boost Technology	✗
LED backlight	✓	Intel® Small Business Advantage (Intel® SBA)	✓
Native aspect ratio	16:9	Enhanced Intel SpeedStep Technology	✓
Display brightness	250 cd/m <sup>2</sup>	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Dual-screen	✗	Intel Clear Video Technology	✓
<b>Processor</b>		Intel® InTru™ 3D Technology	✓
Processor manufacturer *	Intel	Intel® Insider™	✓
Processor family *	Intel® Core™ i3	Intel® Quick Sync Video Technology	✓
Processor generation	7th gen Intel® Core™ i3	Intel Flex Memory Access	✓
Processor model *	i3-7100U	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cores	2	Intel Trusted Execution Technology	✗
Processor threads	4	Intel Enhanced Halt State	✓
Processor frequency *	2.4 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	4 GT/s	Intel® Secure Key	✓
Processor cache	3 MB	Intel TSX-NI	✗
Processor cache type	Smart Cache	Intel Stable Image Platform Program (SIPP)	✗
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		
Configurable TDP-down	7.5 W		
Configurable TDP-down frequency	0.8 GHz		

Processor		Processor special features	
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 *	8 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, SSE4.2
Memory form factor	SO-DIMM	Processor code	SR2ZW
Memory layout (slots x size)	1 x 8 GB	CPU configuration (max)	1
Memory slots	1x SO-DIMM	Embedded options available	✓
Maximum internal memory *	16 GB	Graphics & IMC lithography	14 nm
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	1 TB	Intel Identity Protection Technology version	1.00
Storage media *	HDD	Intel Smart Response Technology version	1.00
Number of HDDs installed	1	Intel Stable Image Platform Program (SIPP) version	0.00
HDD capacity	1 TB	Intel Secure Key Technology version	1.00
HDD interface	SATA III	Intel TSX-NI version	0.00
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓	Processor ARK ID	95442
Compatible memory cards	MMC, SD, SDHC, SDXC	Conflict-Free processor	✓
Graphics		Battery	
Discrete graphics card model *	Not available	Battery technology	Lithium Polymer (LiPo)
On-board graphics card *	✓	Number of battery cells	3
Discrete graphics card *	✗	Battery capacity *	52.5 Wh
On-board graphics card family	Intel® HD Graphics	Battery life (max)	9 h
On-board graphics card model *	Intel® HD Graphics 620	Power	
On-board graphics card base frequency	300 MHz	AC adapter power	65 W
On-board graphics card dynamic frequency (max)	1000 MHz	AC adapter frequency	50 - 60 Hz
Maximum on-board graphics card memory	32 GB	AC adapter input voltage	100 - 240 V
On-board graphics card DirectX version	12.0	Security	
On-board graphics card OpenGL version	4.4	Password protection	✓
On-board graphics card ID	0x5916	Password protection type	HDD, Power on, Supervisor
Audio		Operational conditions	
Number of built-in speakers	2	Operating temperature (T-T)	5 - 35 °C
Built-in microphone	✓	Storage temperature (T-T)	5 - 43 °C
Camera		Operating relative humidity (H-H)	8 - 95%
Front camera	✓	Storage relative humidity (H-H)	5 - 95%
Front camera resolution	1280 x 720 pixels	Operating altitude	0 - 2438 m
Network		Certificates	
Wi-Fi	✓	Compliance certificates	RoHS
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Sustainability	
Ethernet LAN	✓	Sustainability certificates	EPEAT Silver, ENERGY STAR
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & dimensions	
Bluetooth	✓	Width	378 mm
Bluetooth version	4.0	Depth	253 mm
Ports & interfaces		Height	21.4 mm
USB 2.0 ports quantity *	1	Weight *	2.08 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		

Ports & interfaces		Packaging content	
Ethernet LAN (RJ-45) ports	1	Mouse included	✗
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	✗	Remote control included	✗
Mini DisplayPort/Thunderbolt combo port	✗	Manual	✓
LAN/VGA combo port	✗	Power cord included	✓
Headphone outputs	1	Other features	
Microphone in	✓	LightScribe	✗
Combo headphone/mic port	✓	3D	✗
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
TV-out	✗		
Keyboard			
Pointing device	Touchpad		

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