



Lenovo IdeaPad Legion Y Y720 Intel® Core™ i7 i7-7700HQ Laptop 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 1.13 TB HDD+SSD NVIDIA® GeForce® GTX 1060 Windows 10 Home Black



Brand : Lenovo

Product family: IdeaPad

Product code: 80VR0077US

Product name : Y720

Intel Core i7-7700HQ (2.80 GHz), 8GB RAM, 1000GB HDD + 128GB SSD, 15.6" FHD 1920 x 1080 IPS, NVIDIA GeForce GTX 1060 6GB, WLAN, Ethernet, Windows 10 Home
Lenovo IdeaPad Legion Y Y720. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-7700HQ, Processor frequency: 2.8 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1.13 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 630. Operating system installed: Windows 10 Home. Product colour: Black

Design		Ports & interfaces	
Product type *	Laptop	Charging port type	DC-in jack
Product colour *	Black	USB Sleep-and-Charge	✓
Form factor *	Clamshell	USB Sleep-and-Charge ports	1
Housing material	Aluminium	Performance	
Market positioning	Gaming	Motherboard chipset	Intel® HM175
Display		Keyboard	
Display diagonal *	39.6 cm (15.6")	Pointing device	Touchpad
Display resolution *	1920 x 1080 pixels	Numeric keypad *	✓
Touchscreen *	✗	Keyboard backlit	✓
HD type	Full HD	Windows keys	✓
Panel type	IPS	Software	
LED backlight	✓	Operating system architecture	64-bit
Native aspect ratio	16:9	Operating system installed *	Windows 10 Home
Display surface	Matt	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	7th gen Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i7-7700HQ	Intel® Turbo Boost Technology	2.0
Processor cores	4	Enhanced Intel SpeedStep Technology	✓
Processor threads	8	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor boost frequency	3.8 GHz	Intel Clear Video Technology	✓
Processor frequency *	2.8 GHz	Intel® InTru™ 3D Technology	✓
System bus rate	8 GT/s	Intel® Quick Sync Video Technology	✓
Processor cache	6 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel® Smart Cache	✓
Processor lithography	14 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor operating modes	64-bit	Intel Trusted Execution Technology	✗
Processor series	Intel Core i7-7700 Mobile Series	Intel Enhanced Halt State	✓
Processor codename	Kaby Lake		
Bus type	DMI3		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		

Processor		Processor special features	
PCI Express slots version	3.0	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	1x16, 1x8, 2x4, 2x8	Intel® Secure Key	✓
ECC supported by processor	✗	Intel TSX-NI	✗
Memory		Intel Stable Image Platform Program (SIPP)	✗
Internal memory *	8 GB	Intel® OS Guard	✓
Internal memory type	DDR4-SDRAM	Intel Software Guard Extensions (Intel SGX)	✓
Memory clock speed	2400 MHz	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory form factor	SO-DIMM	Intel 64	✓
Memory slots	2x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	32 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	1.13 TB	Processor package size	42 x 28 mm
Storage media *	HDD+SSD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of HDDs installed	1	CPU configuration (max)	1
HDD capacity	1 TB	Embedded options available	✗
HDD interface	SATA III	Graphics & IMC lithography	14 nm
HDD speed	5400 RPM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD size	2.5"	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 form factor	M.2	Intel Secure Key Technology version	1.00
Optical drive type *	✗	Intel Small Business Advantage (SBA) version	1.00
Card reader integrated	✗	Intel TSX-NI version	0.00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	NVIDIA® GeForce® GTX 1060	Processor ARK ID	97185
Discrete graphics card memory	6 GB	Conflict-Free processor	✓
Discrete graphics memory type	GDDR5	Battery	
On-board graphics card *	✓	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card *	✓	Number of battery cells	4
On-board graphics card family	Intel® HD Graphics	Battery capacity *	60 Wh
On-board graphics card model *	Intel® HD Graphics 630	Battery life (max)	5 h
On-board graphics card base frequency	350 MHz	Power	
On-board graphics card dynamic frequency (max)	1100 MHz	AC adapter power	170 W
Maximum on-board graphics card memory	64 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	Security	
On-board graphics card ID	0x591B	Cable lock slot	✓
Audio		Fingerprint reader	✗
Number of built-in speakers	2	Trusted Platform Module (TPM)	✗
Speakers manufacturer	JBL	Password protection	✓
Speaker power	2 W	Password protection type	HDD, Power on, Supervisor
Built-in microphone	✓	Sustainability	
Audio decoders	Dolby Atmos	Sustainability certificates	RoHS, EPEAT Silver, ENERGY STAR
Camera		Weight & dimensions	
Front camera	✓	Width	380 mm
Network		Depth	277 mm
Wi-Fi	✓	Height	29 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight *	3.2 kg
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.1		

Ports & interfaces		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Manual	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Power cord included	✓
		Other features	
Ethernet LAN (RJ-45) ports	1	AC adapter included	✓
HDMI ports quantity *	1	Maximum internal memory (64-bit)	32 GB
HDMI version	2.0		
DisplayPorts quantity	1		
DVI port	✗		
Microphone in	✗		
Combo headphone/mic port	✓		

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