



**Lenovo IdeaCentre Y910 Intel® Core™ i7 i7-6700 68,6 cm (27")
2560 x 1440 pixels All-in-One PC 16 GB DDR4-SDRAM 2,26 TB
HDD+SSD NVIDIA® GeForce® GTX 1080 Windows 10 Home Black**



Brand : Lenovo

Product family: IdeaCentre

Product code: F0CJ001GRK

Product name : Y910

Intel Core i7-6700 Processor (8M Cache, up to 4.00 GHz), Intel HD Graphics 530 + NVIDIA GeForce GTX 1080, 16GB RAM, 2000GB HDD + 256GB SSD, 27" QHD (2560 x 1440), Windows 10 Home 64
Lenovo IdeaCentre Y910. Product type: All-in-One PC. Display diagonal: 68,6 cm (27"), HD type: Quad HD, Display resolution: 2560 x 1440 pixels. Processor family: Intel® Core™ i7, Processor frequency: 3,4 GHz. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 2,26 TB, Storage media: HDD+SSD. Discrete graphics card model: NVIDIA® GeForce® GTX 1080. Built-in camera. Optical drive type: DVD±RW. Operating system installed: Windows 10 Home. Product colour: Black

Display		Network	
Display diagonal *	68,6 cm (27")	Bluetooth *	✓
Display resolution *	2560 x 1440 pixels	Bluetooth version	4.0
Touchscreen *	✗	Ports & interfaces	
HD type *	Quad HD	Ethernet LAN (RJ-45) ports	1
LED backlight	✓	USB 2.0 ports quantity *	2
Native aspect ratio	16:9	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Display brightness	300 cd/m ²	HDMI ports quantity *	2
Screen shape	Flat	Headphone outputs	1
Processor		Microphone in	✓
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor family *	Intel® Core™ i7	Design	
Processor generation	6th gen Intel® Core™ i7	Product colour *	Black
Processor model *	i7-6700	Performance	
Processor cores	4	Product type *	All-in-One PC
Processor threads	8	Software	
Processor boost frequency	4 GHz	Operating system architecture	64-bit
Processor frequency *	3,4 GHz	Operating system installed *	Windows 10 Home
Processor cache	8 MB	Processor special features	
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
System bus rate	8 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
64-bit computing	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
Thermal Design Power (TDP)	65 W	Intel® Small Business Advantage (Intel® SBA)	✓
PCI Express slots version	3.0	Intel® Wireless Display (Intel® WiDi)	✓
Processor socket	LGA 1151 (Socket H4)	Enhanced Intel SpeedStep Technology	✓
Processor lithography	14 nm	Intel® Built-in Visuals Technology	✓
Processor operating modes	64-bit	Intel HD Graphics	✓
Stepping	R0	Intel® Quick Sync Video Technology	✓
Bus type	DMI3	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor codename	Skylake	Intel Clear Video Technology	✓
Processor series	Intel Core i7-6700 Desktop series		
Maximum number of PCI Express lanes	16		
PCI Express configurations	2x8, 1x8+2x4, 1x16		
Processor code	SR2BT		
Tcase	71 °C		
Maximum internal memory supported by processor	64 GB		

Processor		Processor special features	
Conflict-Free processor	✓	Intel® Insider™	✓
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Intel® InTru™ 3D Technology	✓
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz	Intel® Smart Cache	✓
Memory bandwidth supported by processor (max)	34,1 GB/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory channels supported by processor	Dual	Intel Trusted Execution Technology	✓
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory voltage supported by processor	1,35 V	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel® Secure Key	✓
Internal memory *	16 GB	Intel TSX-NI	✓
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✓
Maximum internal memory *	32 GB	Intel® OS Guard	✓
Memory slots	2	Intel Software Guard Extensions (Intel SGX)	✓
Memory slots type	SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory clock speed	2133 MHz	Intel 64	✓
Memory form factor	DIMM/SO-DIMM	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	2,26 TB	Thermal Monitoring Technologies	✓
Storage media *	HDD+SSD	Processor package size	37,5 x 37,5 mm
Number of storage drives installed	2	Supported instruction sets	SSE4.1, AVX 2.0, SSE4.2
Number of HDDs installed	1	Scalability	15
HDD capacity	2 TB	CPU configuration (max)	1
HDD speed	7200 RPM	Embedded options available	✓
HDD interface	SATA III	Graphics & IMC lithography	14 nm
Number of SSDs installed	1	Thermal solution specification	PCG 2015C
SSD capacity	256 GB	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 Stable Image Platform Program (SIPP) version	1,00
Compatible memory cards	MMC, MS PRO, Memory Stick (MS), SD, SDHC, SDXC	Intel Secure Key Technology version	1,00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Intel Small Business Advantage (SBA) version	1,00
Discrete graphics card model *	NVIDIA® GeForce® GTX 1080	Intel TSX-NI version	1,00
Discrete graphics card memory	8 GB	Processor ARK ID	88196
On-board graphics card *	✓	Power	
On-board graphics card model *	Intel® HD Graphics 530	AC adapter power	380 W
On-board graphics card base frequency	350 MHz	AC adapter input voltage	100 - 240 V
On-board graphics card dynamic frequency (max)	1150 MHz	Weight & dimensions	
Maximum on-board graphics card memory	1,74 GB	Width (with stand)	237,6 mm
Number of displays supported (on-board graphics)	3	Depth (with stand)	615,8 mm
On-board graphics card DirectX version	12.0	Height (with stand)	490,2 mm
On-board graphics card OpenGL version	4.4	Weight (with stand)	12,2 kg
On-board graphics card ID	1912	Certificates	
Audio		Compliance certificates	RoHS
Built-in speaker(s) *	✓	Sustainability	
RMS rated power	10 W	Sustainability certificates	ENERGY STAR
Built-in microphone	✓	Packaging content	
Camera		Mouse included	✓
Built-in camera *	✓	Keyboard included	✓

Network		Other features	
Wi-Fi *	✓	Detachable display	✗
Wi-Fi standards	Wi-Fi 5 (802.11ac)		
Ethernet LAN *	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		

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