



Lenovo IdeaCentre 520 Intel® Core™ i7 i7-7700T 60.5 cm (23.8") 1920 x 1080 pixels Touchscreen All-in-One PC 8 GB DDR4-SDRAM 1 TB HDD Windows 10 Home Wi-Fi 5 (802.11ac) Silver

Brand : Lenovo

Product family: IdeaCentre

Product code: F0D10006US

Product name : 520

Intel Core i7-7700T Processor (8M Cache, up to 3.80 GHz), 8GB RAM, 1000GB HDD, 23.8" FHD MT, Windows 10 Home 64
Lenovo IdeaCentre 520. Product type: All-in-One PC. Display diagonal: 60.5 cm (23.8"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touchscreen. Processor family: Intel® Core™ i7, Processor frequency: 2.9 GHz. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: HDD. Built-in camera. Optical drive type: DVD±RW. Operating system installed: Windows 10 Home. Product colour: Silver



Display		Network	
Display diagonal *	60.5 cm (23.8")	Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Display resolution *	1920 x 1080 pixels	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Touchscreen *	✓	Ethernet LAN *	✓
HD type *	Full HD	Ethernet LAN data rates	10,100,1000 Mbit/s
LED backlight	✓	Bluetooth *	✓
Touch technology	Multi-touch	Bluetooth version	4.0
Native aspect ratio	16:9	Ports & interfaces	
Display brightness	250 cd/m²	Ethernet LAN (RJ-45) ports	1
Screen shape	Flat	USB 2.0 ports quantity *	3
Processor		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor manufacturer *	Intel	Headphone outputs	1
Processor family *	Intel® Core™ i7	Microphone in	✓
Processor generation	7th gen Intel® Core™ i7	Combo headphone/mic port	✓
Processor model *	i7-7700T	Design	
Processor cores	4	Product colour *	Silver
Processor threads	8	Performance	
Processor boost frequency	3.8 GHz	Product type *	All-in-One PC
Processor frequency *	2.9 GHz	Motherboard chipset	Intel® B250
Processor cache	8 MB	Placement supported	Vertical
Processor cache type	Smart Cache	Software	
System bus rate	8 GT/s	Operating system architecture	64-bit
Thermal Design Power (TDP)	35 W	Operating system installed *	Windows 10 Home
Configurable TDP-down frequency	1.9 GHz	Processor special features	
Configurable TDP-down	25 W	Intel® Turbo Boost Technology	2.0
PCI Express slots version	3.0	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket	LGA 1151 (Socket H4)	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor lithography	14 nm	Enhanced Intel SpeedStep Technology	✓
Processor operating modes	64-bit	Intel® Quick Sync Video Technology	✓
Stepping	B0	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Bus type	DMI3	Intel Clear Video Technology	✓
Processor codename	Kaby Lake	Intel® InTru™ 3D Technology	✓
Processor series	Intel Core i7-7700 Desktop series		
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x16, 1x8+2x4, 2x8		
Processor code	SR339		
Tjunction	80 °C		

Processor		Processor special features	
Maximum internal memory supported by processor	64 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Conflict-Free processor	✓	Intel Trusted Execution Technology	✓
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Intel Enhanced Halt State	✓
Memory clock speeds supported by processor	1333,1600,2133,2400 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory channels supported by processor	Dual	Intel® Secure Key	✓
ECC supported by processor	✗	Intel TSX-NI	✓
Memory voltage supported by processor	1.35 V	Intel Stable Image Platform Program (SIPP)	✓
Memory		Intel® OS Guard	✓
Internal memory *	8 GB	Intel Software Guard Extensions (Intel SGX)	✓
Internal memory type	DDR4-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Maximum internal memory *	12 GB	Intel 64	✓
Memory slots	2	Execute Disable Bit	✓
Memory slots type	SO-DIMM	Idle States	✓
Memory form factor	DIMM/SO-DIMM	Thermal Monitoring Technologies	✓
Storage		Processor package size	37.5 x 37.5 mm
Total storage capacity *	1 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage media *	HDD	Scalability	15
Number of storage drives installed	1	CPU configuration (max)	1
Number of HDDs installed	1	Embedded options available	✓
HDD capacity	1 TB	Thermal solution specification	PCG 2015A
HDD speed	7200 RPM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD interface	SATA III	Intel Identity Protection Technology version	1.00
Optical drive type *	DVD±RW	Intel Stable Image Platform Program (SIPP) version	1.00
Card reader integrated	✓	Intel Secure Key Technology version	1.00
Compatible memory cards	SD, SDHC, SDXC	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel TSX-NI version	1.00
On-board graphics card *	✓	Processor ARK ID	97122
On-board graphics card family	Intel® HD Graphics	Intel® Optane™ Memory Ready	✓
On-board graphics card model *	Intel® HD Graphics 630	Power	
On-board graphics card base frequency	350 MHz	AC adapter frequency	50/60 Hz
On-board graphics card dynamic frequency (max)	1150 MHz	AC adapter input voltage	100 - 240 V
Maximum on-board graphics card memory	64 GB	Weight & dimensions	
Number of displays supported (on-board graphics)	3	Width (with stand)	541.2 mm
On-board graphics card DirectX version	12.0	Depth (with stand)	57.3 mm
On-board graphics card OpenGL version	4.4	Height (with stand)	416.4 mm
On-board graphics card ID	5912	Weight (with stand)	6.17 kg
Audio		Sustainability	
Built-in speaker(s) *	✓	Sustainability certificates	RoHS, ENERGY STAR
Number of speakers	2	Packaging content	
RMS rated power	6 W	Mouse included	✓
Built-in microphone	✓	Keyboard included	✓
Camera		Quick start guide	✓
Built-in camera *	✓	Manual	✓
Network		Other features	
Wi-Fi *	✓	Detachable display	✗

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