



Lenovo IdeaCentre 510A Intel® Core™ i3 i3-7100 4 GB DDR4-SDRAM 1 TB HDD Windows 10 Home Tower PC Black



Brand : Lenovo

Product family: IdeaCentre

Product code: 90GV0000US

Product name : 510A

Intel Core i3-7100 (3MB Cache, 3.9GHz), 4GB DDR4-SDRAM, 1000GB HDD, DVD±RW, Intel HD Graphics 630, LAN, WLAN, Bluetooth, Windows 10 Home 64-bit
 Lenovo IdeaCentre 510A. Processor frequency: 3.9 GHz, Processor family: Intel® Core™ i3, Processor model: i3-7100. Internal memory: 4 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2400 MHz. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 630. Operating system installed: Windows 10 Home, Operating system architecture: 64-bit. Power supply: 180 W. Chassis type: Tower. Product type: PC

Processor		Ports & interfaces	
Processor manufacturer *	Intel	Line-out	✓
Processor family *	Intel® Core™ i3	Line-in	✓
Processor generation	7th gen Intel® Core™ i3	Design	
Processor model *	i3-7100	Chassis type *	Tower
Processor cores	2	Volume	15 L
Processor threads	4	Placement supported	Vertical
Processor frequency *	3.9 GHz	Cable lock slot	✓
Processor cache	3 MB	Cable lock slot type	Kensington
Processor cache type	Smart Cache	Product colour *	Black
System bus rate	8 GT/s	Performance	
Bus type	DMI3	Motherboard chipset	Intel® B250
Processor lithography	14 nm	Password protection	✓
Processor operating modes	64-bit	Password protection type	HDD, Power on
Processor codename	Kaby Lake	Product type *	PC
Thermal Design Power (TDP)	51 W	Software	
Tjunction	100 °C	Operating system architecture	64-bit
PCI Express slots version	3.0	Operating system installed *	Windows 10 Home
Maximum number of PCI Express lanes	16	Processor special features	
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel 64	✓
Number of processors installed	1	Enhanced Intel SpeedStep Technology	✓
Processor socket	LGA 1151 (Socket H4)	Embedded options available	✗
Stepping	S0	Intel® InTru™ 3D Technology	✓
Maximum internal memory supported by processor	64 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Intel Clear Video Technology	✓
Memory clock speeds supported by processor	1333,1600,2133,2400 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
ECC supported by processor	✗	Intel TSX-NI	✗
Memory		Idle States	✓
Internal memory *	4 GB	Thermal Monitoring Technologies	✓
Maximum internal memory *	32 GB	Intel Stable Image Platform Program (SIPP)	✗
Internal memory type	DDR4-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory layout (slots x size)	1 x 4 GB		
Memory slots	2x DIMM		
Memory clock speed	2400 MHz		
Memory channels	Dual-channel		

Storage		Processor special features	
Total storage capacity *	1 TB	Intel® Secure Key	✓
Storage media *	HDD	Intel® OS Guard	✓
Optical drive type *	DVD±RW	Intel Trusted Execution Technology	✗
Number of HDDs installed	1	Execute Disable Bit	✓
HDD capacity	1 TB	Intel Enhanced Halt State	✓
HDD speed	7200 RPM	Intel Software Guard Extensions (Intel SGX)	✓
HDD size	3.5"	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Card reader integrated	✓	Processor package size	37.5 x 37.5 mm
Graphics		Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Discrete graphics card *	✗	Processor code	SR35C
On-board graphics card *	✓	Scalability	1S
Discrete graphics card model *	Not available	CPU configuration (max)	1
On-board graphics card family	Intel® HD Graphics	Thermal solution specification	PCG 2015C
On-board graphics card model *	Intel® HD Graphics 630	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card base frequency	350 MHz	Intel Identity Protection Technology version	1.00
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Stable Image Platform Program (SIPP) version	0.00
Maximum on-board graphics card memory	64 GB	Intel Secure Key Technology version	1.00
Number of displays supported (on-board graphics)	3	Intel Virtualization Technology (VT-x)	✓
On-board graphics card DirectX version	12.0	Intel TSX-NI version	0.00
On-board graphics card OpenGL version	4.4	Processor ARK ID	97455
On-board graphics card ID	0x5912	Intel® Turbo Boost Technology	✗
Optical drive		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Optical drives quantity	1	Intel® Quick Sync Video Technology	✓
Network		Intel® Identity Protection Technology (Intel® IPT)	✓
Ethernet LAN *	✓	Conflict-Free processor	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Power	
Cabling technology	10/100/1000Base-T(X)	Power supply *	180 W
Wi-Fi *	✓	Weight & dimensions	
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Width *	145 mm
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Depth *	285.2 mm
Antenna type	1x1	Height *	366 mm
Bluetooth	✓	Weight *	5.8 kg
Bluetooth version	4.0	Packaging content	
Ports & interfaces		Mouse included	✓
USB 2.0 ports quantity *	2	Keyboard included	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6	Display	
VGA (D-Sub) ports quantity	1	Display included *	✗
DVI port	✗	Audio	
HDMI ports quantity *	1	Audio chip	Realtek ALC662
Ethernet LAN (RJ-45) ports	1	Audio system	High Definition Audio
Microphone in	✓		
Headphone outputs	1		

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