



Lenovo IdeaCentre 510S Intel® Core™ i5 i5-7400 8 GB DDR4-SDRAM 1.13 TB HDD+SSD NVIDIA® GeForce® GT 730 Windows 10 SFF PC Black, Silver

Brand : Lenovo

Product family: IdeaCentre

Product code: 90GB002GNY

Product name : 510S

Intel Core i5-7400 (6M Cache, 3GHz), 8GB DDR4 2400MHz, 128GB SSD + 1000GB HDD, Intel HD Graphics 630, Gigabit Ethernet, Wi-Fi, Bluetooth 4.0, Windows 10 64-bit
Lenovo IdeaCentre 510S. Processor frequency: 3 GHz, Processor family: Intel® Core™ i5, Processor: i5-7400. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2400 MHz. Total storage capacity: 1.13 TB, Storage media: HDD+SSD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 630, Discrete graphics card model: NVIDIA® GeForce® GT 730. Operating system installed: Windows 10, Operating system architecture: 64-bit. Chassis type: SFF. Product type: PC



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Processor family *	Intel® Core™ i5	VGA (D-Sub) ports quantity	1
Processor generation	7th gen Intel® Core™ i5	DVI port	✗
Processor *	i5-7400	HDMI ports quantity *	1
Processor number of cores	4	Ethernet LAN (RJ-45) ports quantity	1
Processor threads	4	Microphone in	✓
Processor boost frequency	3.5 GHz	Headphone outputs	1
Processor frequency *	3 GHz	Line-out	✓
Processor socket	LGA 1151 (Socket H4)	Line-in	✓
Processor cache	6 MB	Design	
Processor cache type	Smart Cache	Chassis type *	SFF
System bus data transfer rate	8 GT/s	Product colour *	Black, Silver
Bus type	DMI3	Performance	
Processor lithography	14 nm	Audio output channels	5.1 channels
Processor operating modes	64-bit	Product type *	PC
Processor series	Intel Core i5-7400 Desktop Series	Software	
Processor codename	Kaby Lake	Operating system architecture	64-bit
Thermal Design Power (TDP)	65 W	Operating system installed *	Windows 10
Tjunction	100 °C	Processor special features	
PCI Express slots version	3.0	Intel 64	✓
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x16, 1x8+2x4, 2x8		
Number of processors installed	1		

Processor		Processor special features	
Stepping	B0	Enhanced Intel SpeedStep Technology	✓
Maximum internal memory supported by processor	64 GB	Embedded options available	✗
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Intel® InTru™ 3D Technology	✓
Memory clock speeds supported by processor	1333,1600,2133,2400 MHz	Intel Clear Video HD Technology	✓
ECC supported by processor	✗	Intel Clear Video Technology	✓
Memory voltage supported by processor	1.35 V	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel TSX-NI	✗
Internal memory *	8 GB	Idle States	✓
Maximum internal memory *	16 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✗
Memory slots	2x DIMM	Intel AES New Instructions	✓
Memory clock speed	2400 MHz	Intel® Secure Key	✓
Memory channels	Dual-channel	Intel® OS Guard	✓
Storage		Intel Trusted Execution Technology	✗
Total storage capacity *	1.13 TB	Execute Disable Bit	✓
Storage media *	HDD+SSD	Intel Enhanced Halt State	✓
Optical drive type *	DVD±RW	Intel Software Guard Extensions (Intel SGX)	✓
Number of storage drives installed	2	Intel Clear Video Technology for MID	✓
Number of hard drives installed	1	Processor package size	37.5 x 37.5 mm
Hard drive capacity	1 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of SSDs installed	1	Processor code	SR32W
Solid-state drive capacity	128 GB	Scalability	1S
Card reader integrated	✓	CPU configuration (max)	1
Compatible memory cards	MMC, MMC+, MS PRO, Memory Stick (MS), SD, SDHC, SDXC	Thermal solution specification	PCG 2015C
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card *	✓	Intel Identity Protection Technology version	1.00
On-board graphics card *	✓	Intel Stable Image Platform Program (SIPP) version	0.00
Discrete graphics card model *	NVIDIA® GeForce® GT 730	Intel Secure Key Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 630	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	350 MHz	Intel TSX-NI version	0.00
On-board graphics card dynamic frequency (max)	1000 MHz	Processor ARK ID	97147
Maximum on-board graphics card memory	64 GB	Intel Turbo Boost Technology	2.0
Number of displays supported (on-board graphics)	3	Intel Hyper-Threading Technology	✗
On-board graphics card DirectX version	12.0	Intel® Quick Sync Video Technology	✓
On-board graphics card OpenGL version	4.4	Intel Identity Protection Technology	✓
On-board graphics card ID	5912	Conflict-Free processor	✓
Network		Weight & Dimensions	
Ethernet LAN connection *	✓	Width *	90 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth *	297 mm
Cabling technology	10/100/1000Base-T(X)	Height *	344 mm
Wi-Fi *	✓	Weight *	5.2 kg
Top Wi-Fi standard	Wi-Fi 4 (802.11n)	Packaging Content	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Manual	✓
Bluetooth	✓	Display	
Bluetooth version	4.0	Display included *	✗
Ports & interfaces		Other features	
USB 2.0 ports quantity *	4	Optical drives quantity	1

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