Lenovo

Lenovo IdeaCentre 510S-08IKL Intel® Core™ i3 i3-7100 8 GB DDR4-SDRAM 1 TB HDD Windows 10 Home SFF PC Black

Brand : Lenovo　　　　**Product family:** IdeaCentre　　　**Product code:** 90GB007WIX

Product name : 510S-08IKL

- Intel Core i3-7100 (2C/4T, 3.9GHz, 3MB)
- 1x 8GB DIMM DDR4-2400
- 1TB HDD 7200rpm 3.5"
- 1x Intel HD Graphics 630
- Windows 10 Home 64
Intel Core i3-7100 (2C/4T, 3.9GHz, 3MB), 1x 8GB DIMM DDR4-2400, 1TB HDD 7200rpm 3.5", 1x Intel HD Graphics 630, Windows 10 Home 64

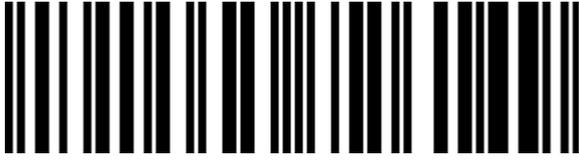Lenovo IdeaCentre 510S-08IKL Intel® Core™ i3 i3-7100 8 GB DDR4-SDRAM 1 TB HDD Windows 10 Home SFF PC Black:

THE ESSENTIAL FAMILY DESKTOP OF CHOICE.
- Raising the bar in home desktop computing
- Advanced home computing made easy
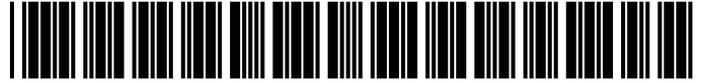- One state-of-the-art computer. One down-to-earth price.
Lenovo IdeaCentre 510S-08IKL. Processor frequency: 3,9 GHz, Processor family: Intel® Core™ i3, Processor model: i3-7100. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2400 MHz. Total storage capacity: 1 TB, Storage 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: SFF. Product type: PC

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i3
Processor generation	7th gen Intel® Core™ i3
Processor model *	i3-7100
Processor cores	2
Processor threads	4
Processor frequency *	3.9 GHz
Processor socket	LGA 1151 (Socket H4)
Processor cache	3 MB
Processor cache type	Smart Cache
System bus rate	8 GT/s
Bus type	DMI3
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Kaby Lake
Thermal Design Power (TDP)	51 W
Tjunction	100 °C
PCI Express slots version	3.0
Maximum number of PCI Express lanes	16
PCI Express configurations	1x16, 1x8+2x4, 2x8
Number of processors installed	1
Stepping	S0
Maximum internal memory supported by processor	64 GB
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM
Memory clock speeds supported by processor	1333,1600,2133,2400 MHz
ECC supported by processor	✗

Memory

Internal memory *	8 GB
Internal memory type	DDR4-SDRAM

Ports & interfaces

Line-in	✔

Design

Chassis type *	SFF
Colour name	Chassis: Black bezel: silver
Product colour *	Black

Performance

Motherboard chipset	Intel® B250
Audio output channels	5.1 channels
Product type *	PC

Software

Operating system installed *	Windows 10 Home
Operating system architecture	64-bit

Processor special features

Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✗
Intel® InTru™ 3D Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✗
Idle States	✔
Thermal Monitoring Technologies	✔
Intel Stable Image Platform Program (SIPP)	✗
Intel® AES New Instructions (Intel® AES-NI)	✔

Memory

Memory layout (slots x size)	1 x 8 GB
Memory clock speed	2400 MHz
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	HDD
Optical drive type *	DVD±RW
Number of storage drives installed	1
Total HDDs capacity	1 TB
Number of HDDs installed	1
HDD capacity	1 TB
HDD interface	SATA III
HDD speed	7200 RPM
HDD size	3.5"
Card reader integrated	✔

Graphics

Discrete graphics card *	✘
On-board graphics card *	✔
Number of discrete graphics cards	1
On-board graphics card model *	Intel® HD Graphics 630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Maximum on-board graphics card memory	64 GB
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card ID	0x5912

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)

Ports & interfaces

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	5
VGA (D-Sub) ports quantity	1
DVI port	✘
HDMI ports quantity *	1
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔

Processor special features

Intel® Secure Key	✔
Intel® OS Guard	✔
Intel Trusted Execution Technology	✘
Execute Disable Bit	✔
Intel Enhanced Halt State	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✔
Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR35C
Scalability	1S
CPU configuration (max)	1
Thermal solution specification	PCG 2015C
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel TSX-NI version	0.00
Processor ARK ID	97455
Intel® Turbo Boost Technology	✘
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Quick Sync Video Technology	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Conflict-Free processor	✔

Power

Power supply *	180 W

Weight & dimensions

Width *	394 mm
Depth *	195 mm
Height *	494 mm
Weight *	4.13 kg

Packaging content

Mouse included	✔
Keyboard included	✔

Display

Display included *	✘

Other features

Optical drives quantity	1

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