ideacentre 510S-07ICB 90K800A8SP

Product
ideacentre 510S-07ICB

Region
WE

Country/Region
Spain

Machine Type
90K8

Processor
Intel Core i3-8100 (4C / 4T, 3.6GHz, 6MB)

Graphics
1x Integrated Intel UHD Graphics 630

Chipset
Intel B360

Memory
1x 8GB DIMM DDR4-2666

Storage
256GB SSD M.2 2280 PCIe NVMe

Optane Memory
None

Optical
None

Ethernet
Integrated 100/1000M

Media Reader
None

WLAN + Bluetooth
11ac, 1x1 + BT4.0

Color
Chassis: Black bezel: Warm silver

Keyboard
USB Calliope Keyboard, Black, Spanish

Mouse
USB Calliope Mouse, Black

System Fan
Default

Power Supply
180W 85% Energy Star

Operating System
Windows 10 Home 64, Spanish

Bundled Software
None

Base Warranty
2-year, Depot

Bundled Service
None

EAN / UPC / JAN
193386226680

End of Support
N/A

Announce Date
2019-07-08

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ideacentre 510S-07ICB Platform Specifications

Processor

Intel Celeron Processor, Intel Pentium Processor or
8th Generation Intel Core i3 / i5 / i7 Processors

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
Celeron G4900	2 / 2	3.1 GHz	2 MB	DDR4-2400	Intel UHD Graphics 610
Celeron G4930	2 / 2	3.2 GHz	2 MB		
Pentium Gold G5400	2 / 4	3.7 GHz	4 MB		
Pentium Gold G5420	2 / 4	3.8 GHz	4 MB		
Core i3-8100	4 / 4	3.6 GHz	6 MB		Intel UHD Graphics 630
Core i5-8400	6 / 6	2.8 GHz / 4.0 GHz	9 MB	DDR4-2666	
Core i5-8500	6 / 6	3.0 GHz / 4.1 GHz	9 MB		
Core i7-8700	6 / 12	3.2 GHz / 4.6 GHz	12 MB		
Core i3-9100	4 / 4	3.6 GHz / 4.2 GHz	6 MB	DDR4-2400	
Core i5-9400F	6 / 6	2.9 GHz / 4.1 GHz	9 MB	DDR4-2666	-
Core i5-9400	6 / 6	2.9 GHz / 4.1 GHz	9 MB	DDR4-2666	Intel UHD Graphics 630
Core i7-9700	8 / 8	3.0 GHz / 4.7 GHz	12 MB	DDR4-2666	

Memory

16GB max, 2400MHz or 2666MHz DDR4, two sockets, dual-channel capable

Storage

Some: SATA 6.0Gb/s, 3.5" wide, 7200 rpm
Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x4, 32Gb/s
Some: SSD / SATA 6.0Gb/s, 2.5" wide
Some: Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x2, 16Gb/s, M.2
* 128GB SSD M.2 (2242) PCIe NVMe only supports PCIe 3.0 x 2, 16Gb/s

Optical *(opt)* DVD±RW, SATA 1.5Gb/s, slim
Onboard SATA SATA 6.0Gb/s controller, two SATA 6.0Gb/s connectors
Media reader *Opitonal* 7-in-1 media reader (SD, SDHC, SDXC, MMC, MS, MS-Pro, MMC plus)

Graphics

Some: Intel HD Graphics 610 / 630 or Intel UHD Graphics 610 / 630 in processor, uses main memory, DirectX® 12;
Max resolution: 1920x1080@30Hz (HDMI); 1920x1200@60Hz (VGA)
Some: NVIDIA® GeForce® GT 730, 1GB or 2GB GDDR5, DirectX 12, one VGA, one HDMI;
Max resolution: 3840x2160 (HDMI)@30Hz; 2048x1536 (VGA)@75Hz
Some: NVIDIA GeForce GT 730, 2GB GDDR3, DirectX 12, one VGA, one HDMI;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz;

Chipset

Intel B360 chipset

Front ports* two USB 3.1 Gen1, two USB 3.1 Gen2, optional media reader
one headphone / microphone combo jack (3.5mm), one microphone (3.5mm)

Rear ports* two USB 2.0, two USB 3.1 Gen1, ethernet (RJ-45), one DP, one HDMI, one VGA, one serial port, one audio port

IEEE 1394 None

** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

Audio support High Definition (HD) Audio, Realtek® ALC233

WLAN *(opt)* 11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1
Bluetooth™ *(opt)* Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet One gigabit ethernet port, Realtek RTL8111GN
Modem None

Security features

- Power-on password
- Administrator password
- Hard-disk password
- Kensington® lock

Keyboard *(opt)*
Some: Lenovo Calliope Keyboard (USB connector), Fn keys, black or silver
Some: Lenovo Wireless Keyboard (2.4GHz), Fn keys, black or silver

Mouse *(opt)*
Some: Lenovo Calliope Mouse (USB connector), black or silver
Some: Lenovo Wireless Mouse (2.4GHz), black or silver

Mechanical

- SFF 7.4L, *chassis:* black color; *bezel:* warm silver color
- dimensions (WxDxH): 3.94" x 10.63" x 11.36"; 100mm x 270mm x 288.5mm
- net weight: 9.64 lb (4.37 kg)

Bay 1: 9.0mm, slim optical
Bay 2: 3.5" or 2.5", disk
Slot 1: half-length, half height, PCIe 3.0x16
Slot 2: half-length, half height, PCIe 3.0x1
M.2 card slots: one for WLAN, one for M.2 SSD / Optane

Power supply
Some: 180 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (100V-240V)
Some: 210 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (100V-240V)

Limited warranty 1-year or 2-year, depot repair service / service upgrades available

Preload *(opt)*
Preloaded operating system
Windows® 10 Home 64
Preloaded applications (only some listed)

- Microsoft Office preloaded; purchase a product key to activate
- Lenovo® Application Explorer
- Lenovo PC Manager
- McAfee® LiveSafe™ (30-day trial)
- PowerDVD (DVD±RW)
- Power2GO (DVD±RW)

Environment ENERGY STAR 7.0; ErP Lot 3; RoHS-compliant

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