ideacentre 510s-07ICK 90LX007EMZ

Product
ideacentre 510S-07ICK

Region
WE

Country/Region
Switzerland

Machine Type
90LX

Processor
Intel Core i7-9700 (8C / 8T, 3.0 / 4.7GHz, 12MB)

Graphics
1x Integrated Intel UHD Graphics 630

Chipset
Intel B365

Memory
2x 4GB DIMM DDR4-2666

Storage
512GB SSD M.2 2280 PCIe NVMe Opal2

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, Switzerland

Mouse
USB Calliope Mouse, Black

System Fan
Default

Power Supply
180W 85% Energy Star

Operating System
Windows 10 Home 64, Switzerland (EN/FR/GR/IT)

Bundled Software
None

Base Warranty
2-year, Depot

Bundled Service
None

EAN / UPC
194778559683

End of Support
2021-03-07

Announce Date
2020-02-07

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ideacentre 510S-07ICK Platform Specifications

Product Specifications Reference (PSREF)

Processor

Intel Celeron Processor, Intel Pentium Processor or
8th & 9th 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, 2666MHz DDR4, two sockets, dual-channel capable
* System automatically clocks down for the processors with lower memory controller

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

Optane Memory: Optional: 32GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 4, 16Gb/s, M.2
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 UHD Graphics 610 / 630 in processor,
uses main memory, DirectX® 12;
Max resolution: 1920x1080@30Hz (HDMI); 1920x1200@60Hz (VGA)
Some: NVIDIA® GeForce® GT 730, 2GB GDDR5, DirectX 12,
one VGA, one HDMI;
Max resolution: 3840x2160 (HDMI)@30Hz; 2048x1536 (VGA)@75Hz

Chipset

Intel B365 chipset

Front ports*

Four USB 3.1 Gen1, optional media reader
one headphone / microphone combo jack (3.5mm), one microphone (3.5mm)

Rear ports*

Four USB 2.0, thernet (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® ALC623-CG

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)

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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