

ideacentre 510s-07ICK 90LX00AAGE

Product

ideacentre 510S-07ICK

Region

WE

Country/Region

Germany

Machine Type

90LX

Processor

Intel Pentium Gold G5420 (2C / 4T, 3.8GHz, 4MB)

Graphics

1x Integrated Intel UHD Graphics 610

Chipset

Intel B365

Memory

2x 4GB DIMM DDR4-2666

Storage

256GB SSD M.2 2280 PCIe NVMe Opal2

Optane Memory

None

Optical

9.0mm DVD±RW

Ethernet

Integrated 100/1000M

Media Reader

7-in-1 Card Reader

WLAN + Bluetooth

11ac, 1x1 + BT4.0

Color

Chassis: Black Bezel: Warm Silver

Keyboard

USB Calliope Keyboard, Black, German

Mouse

USB Calliope Mouse, Black

System Fan

None

Power Supply

180W 85% Energy Star

Operating System

Windows 10 Home 64, German

Bundled Software

None

Base Warranty

2-year, Depot

Bundled Service

None

EAN / UPC / JAN

195235745861

End of Support

2025-10-30

Announce Date

2020-06-30



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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						WLAN (opt)	11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1
	Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics	Bluetooth™ (opt)	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
	Celeron G4900	2 / 2	3.1 GHz	2 MB	DDR4-2400	Intel UHD Graphics 610	Ethernet Modem	One gigabit ethernet port, Realtek RTL8111GN
	Celeron G4930	2 / 2	3.2 GHz	2 MB			Security features	● Power-on password ● Administrator password ● Hard-disk password ● Kensington® lock
	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	DDR4-2666	Intel UHD Graphics 630	Keyboard (opt)	Some: Lenovo Calliope Keyboard (USB connector), Fn keys, black or silver
	Core i5-8400	6 / 6	2.8 GHz / 4.0 GHz	9 MB			Mouse (opt)	Some: Lenovo Wireless Keyboard (2.4GHz), Fn keys, black or silver
	Core i5-8500	6 / 6	3.0 GHz / 4.1 GHz	9 MB			Some: Lenovo Calliope Mouse (USB connector), black or silver	
	Core i7-8700	6 / 12	3.2 GHz / 4.6 GHz	12 MB			Some: Lenovo Wireless Mouse (2.4GHz), black or silver	
	Core i3-9100	4 / 4	3.6 GHz / 4.2 GHz	6 MB	DDR4-2400		Mechanical	● SFF 7.4L, <i>chassis</i>: black color; <i>bezel</i>: 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
	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						Power supply	Some: 180 watts, autosensing, 85% PSU, EnergyStar 6.1, universal (100V-240V)
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						Limited warranty	1-year or 2-year, depot repair service / service upgrades available
Optane Memory	Optional: 32GB Intel Optane Memory, PCIe NVMe, PCIe 3.0 x 4, 16Gb/s, M.2						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)
Optical (opt)	DVD±RW, SATA 1.5Gb/s, slim						Environment	ENERGY STAR 7.0; ErP Lot 3; RoHS-compliant
Onboard SATA	SATA 6.0Gb/s controller, two SATA 6.0Gb/s connectors							
Media reader	Optitonal 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							
Rear ports*	one headphone / microphone combo jack (3.5mm), one microphone (3.5mm)							
IEEE 1394	Four USB 2.0, thernet (RJ-45), one DP, one HDMI, one VGA, one serial port, one audio port							
	None							
	* Depending on many factors, actual data transfer speed may be lower than theoretical speed							
Audio support	High Definition (HD) Audio, Realtek® ALC623-CG							

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