ideacentre 510-15ICB 90HU00GXIX

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Product
ideacentre 510-15ICB

Region
WE

Country
Italy

Machine Type
90HU

Processor
Core i5-9400 (6C / 6T, 2.9 / 4.1GHz, 9MB)

Graphics
AMD Radeon RX 550X 4GB GDDR5

Chipset
Intel B360

Memory
1 x 8GB DDR4-2666

Storage
512GB SSD M.2 2280 PCIe

Optical
9.0mm DVD±RW

Media Reader
7-in-1

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

Keyboard / Mouse
USB Black / USB Black

System Fan
None + One Rear

Power Supply
210W 85% Energy Star

Operating System
Windows 10 Home 64

Color
Silver

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193638194583

Warranty
2-year, Depot

Announce Date
2019-05-21

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ideacentre 510-15ICB Platform Specifications

Processor

Intel Celeron Processor, Intel Pentium Gold 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
Pentium Gold G5400	2 / 4	3.7 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 i7-8700	6 / 12	3.2 GHz / 4.6 GHz	12 MB		

Memory

16GB max offering, UDIMM, DDR4-2666, two 288-pin DIMM sockets
* System automatically clocks down for the processors with lower memory controller

Storage

Some: Hard Drive / SATA 6.0Gb/s, 3.5", 7200 rpm
Some: M.2 SSD / SATA 6.0Gb/s
Some: M.2 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x4, 32Gb/s
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 Burner (DVD±RW), slim, 9.0mm high
Onboard SATA Three onboard SATA 6.0Gb/s connectors
Media reader Optional 7-in-1 media card reader

Graphics

Some: **Intel HD Graphics 610 / 630** or **Intel UHD Graphics 610 / 630** in processor,
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;

Some: **NVIDIA GeForce GTX 1050**, **2GB GDDR5**, DirectX 12,
one DVI, one HDMI, one DP;
Max resolution: 4096x2160 (HDMI)@60Hz; 7680x4320 (DP)@60Hz;
2560x1600 (DVI)@60Hz

Some: **NVIDIA GeForce GTX 1050 Ti, 4GB GDDR5, DirectX 12,**
one DVI, one HDMI, one DP;
Max resolution: 4096x2160 (HDMI)@60Hz; 7680x4320 (DP)@60Hz;
2560x1600 (DVI)@60Hz

Some: **AMD Radeon™ RX 460**, **4GB GDDR5**, DirectX 12, one HDMI,
one DP, one DVI;
Max resolution: 4096x2160 (HDMI)@60Hz; 7680x4320 (DP)@60Hz;
2560x1600 (DVI)@60Hz

Some: **AMD Radeon RX 550**, **2GB GDDR5**, DirectX 12,
one HDMI, one VGA, one DP;
Max resolution: 4096x2160 (HDMI)@60Hz; 5120x2880 (DP)@60Hz;
2048x1536 (VGA)@60Hz

Some: **AMD Radeon RX 560**, **4GB GDDR5**, DirectX 12,
one HDMI, one DVI, one DP;
Max resolution: 4096x2160 (HDMI)@60Hz; 5120x2880 (DP)@60Hz;
2560x1600 (DVI)@60Hz

Some: **AMD Radeon R7 350**, **2GB GDDR5**, DirectX 11,
one VGA, one HDMI;
Max resolution: 1920x1080 (HDMI)@60Hz; 2048x1536 (VGA)@85Hz;

Chipset	**Intel B360 platform**
Front ports*	one headphone / microphone combo jack (3.5mm), one microphone (3.5mm), optional media reader, two USB 3.1 Gen1, two USB 3.1 Gen2, one USB 3.1 Type-C Gen1
Rear ports*	power connector, one VGA-out, one HDMI-out, one ethernet (RJ-45), four USB 2.0
Rear audio ports	one headphone / microphone combo jack (3.5mm)
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 / Dolby Atoms Audio
WLAN *(opt)*	*Some:* 11ac Wi-Fi + Bluetooth 4.0 combo adapter, M.2 card, 1x1 *Some:* 11ac Wi-Fi + Bluetooth 4.0 combo adapter, M.2 card, 2x2
Bluetooth™ *(opt)*	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	Gigabit ethernet Realtek® RTL8111GN (for IKL) or Intel I219-V (for ICB)
Modem	None
Security chip	None
Security features	Power-on password, administrator password, hard-disk password, Kensington® lock
Keyboard (opt)	Lenovo Calliope Keyboard (USB connector), black or silver Lenovo Wireless Keyboard (2.4GHz via USB receiver), black or silver
Mouse	Lenovo Calliope Mouse (USB connector), black or silver Lenovo Wireless Mouse (2.4GHz via USB receiver), black or silver
Mechanical	• Tower (15L), black / silver color, metal case • *(WxDxH) with bezel:* 5.71" x 11.22" x 14.41"; 145mm x 285.2mm x 366.03mm • Approx 12.8 lb (5.8 kg), weight may vary by configuration • Optional front / rear system fan Bay 1: slim optical bay Bay 2: 3.5'', disk bay Bay 3: 3.5'' or 2.5", disk bay Slot 1: full-length half-height, PCIe 3.0 x16 Slot 2: full-length half-height, PCIe 3.0 x1 M.2 card slots: one for WLAN, one for M.2 SSD / Optane
Power supply	*Some:* 180 watts, autosensing, 85% PSU *Some:* 210 watts, autosensing, 85% PSU
Limited warranty	**1-year** or **2-year, depot repair service** / service upgrades available
Preload	**Preloaded operating system** Windows® 10 Home 64 or Windows 10 Pro 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® 6.1 (support version 7.0 after November); ErP Lot 3; RoHS-compliant
Accessories	For compatible accessories, please go to **http://smartfind.lenovo.com**

Note: The specifications above may not be available in all regions.

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