ideacentre 510A-15ARR 90J0008XGE

Product
ideacentre 510A-15ARR

Region
WE

Country/Region
Germany

Machine Type
90J0

Processor
AMD Ryzen 3 3200G (4C / 4T, 3.6 / 4.0GHz, 2MB L2 / 4MB L3)

Graphics
Integrated AMD Radeon Vega 8 Graphics

Chipset
AMD SoC Platform

Memory
2x 8GB DIMM DDR4-2666

Storage
512GB SSD M.2 2280 PCIe + 1TB HDD 7200rpm 3.5"

Optical
9.0mm DVD±RW

Media Reader
7-in-1

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

Keyboard
USB Calliope Keyboard, Black, German

Mouse
USB Calliope Mouse, Black

System Fan
One Rear

Power Supply
180W 85% Energy Star

Operating System
Windows 10 Home 64, German

Color
Black

Base Warranty
2-year, Depot

Bundled Service
None

EAN / UPC
194552978433

End of Support
2020-11-14

Announce Date
2019-10-14

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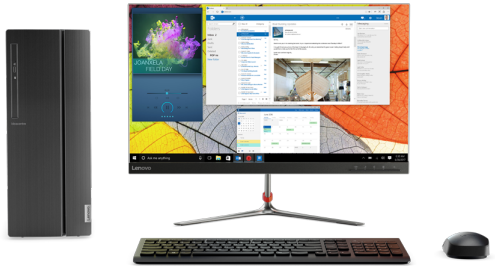


ideacentre 510A-15ARR Platform Specifications

Processor

AMD Athlon or A series or Ryzen™ 3 / 5 series processor

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Type	Integrated Graphics
Ryzen 3 2200G	4 / 4	3.5 GHz / 3.7 GHz	2 MB	DDR4-2666	Radeon Vega 8 Graphics
Ryzen 5 2400G	4 / 8	3.6 GHz / 3.9 GHz			Radeon RX Vega 11 Graphics
Ryzen 3 3200G	4 / 4	3.6 GHz / 4.0 GHz		DDR4-2933	Radeon Vega 8 Graphics
Ryzen 5 3400G	4 / 8	3.7 GHz / 4.2 GHz	4 MB	DDR4-2933	Radeon RX Vega 11 Graphics
Athlon 200GE	2 / 4	3.2 GHz	1 MB	DDR4-2666	Radeon Vega 3 Graphics
Athlon 300GE	2 / 4	3.4 GHz	1 MB	DDR4-2666	Radeon Vega 3 Graphics
PRO A6-8570	2 / 2	3.5 GHz / 3.8GHz	1 MB	DDR4-2400	Radeon R5
A6-9500	2 / -	3.5 GHz / 3.8 GHz	1 MB	DDR4-2400	Radeon R5
A8-9600	4 / -	3.1 GHz / 3.4 GHz	2 MB	DDR4-2400	Radeon R7
A10-9700	4 / -	3.5 GHz / 3.8 GHz	2 MB	DDR4-2400	Radeon R7
A12-9800	4 / -	3.8 GHz / 4.2 GHz	2 MB	DDR4-2400	Radeon R7

Memory

32GB 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 Solid State Drive (SSD) / PCIe NVMe, PCIe 3.0 x2, 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: AMD Radeon R5 or R7 Graphics in processor, uses main memory, DirectX 12, one VGA, one HDMI
Max resolution: 4096x2160@24Hz (HDMI); 3840x2160@60Hz (VGA)
Some: AMD Radeon Vega 8 or RX Vega 11 Graphics in processor, uses main memory, DirectX 12,
Max resolution: 4096x2160@24Hz (HDMI); 3840x2160@60Hz (VGA)
Some: **AMD Radeon RX 550**, **2GB GDDR5**, DirectX 12, one HDMI, one DVI, one DP;
Max resolution: 4096x2160 (HDMI)@60Hz; 5120x2880 (DP)@60Hz; 2560x1600 (DVI)@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

Chipset

AMD B300 Chipset

Front ports*
One headphone / microphone combo jack (3.5mm), two USB 3.1 Gen1, one microphone (3.5mm), optional media reader, two USB 2.0

Rear ports*
Two USB 2.0, ethernet (RJ-45), VGA, HDMI (1.4)

Rear audio ports
Line-in (3.5mm), line-out (3.5mm), microphone-in (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® ALC662

WLAN
11ac, M.2 Card, Wi-Fi + Bluetooth combo adapter, 1x1

Bluetooth™
Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet
One gigabit ethernet port, RTL8111GN

Modem
None

Security features

- Power-on password
- Administrator password
- Hard-disk password

Keyboard
Lenovo Calliope Keyboard (USB connector), Fn keys, black

Mouse
Lenovo Calliope Mouse (USB connector), black

Mechanical

- Tower (15L), black color
- Dimensions (WxDxH): 5.71" x 11.22" x 14.41"; 145mm x 285.2mm x 366.03mm
- Weights (net weight): 15.1 lb (6.85 kg), weight may vary by configuration
- Optional front and 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

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

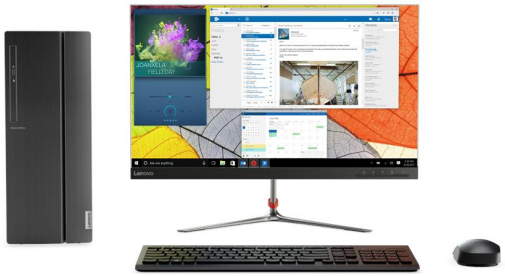
- 1-year or 2-year, depot repair service / service upgrades available
- 1-year, limited mail-in service / service upgrades available

Preload

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 6.1 (support version 7.0 after November); ErP Lot 3; RoHS-compliant

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