IdeaCentre G5 14IMB05 90N9003NIX

Product
IdeaCentre G5 14IMB05

Region
WE

Country/Region
Italy

Machine Type
90N9

Processor
Intel Core i5-10400 (6C / 12T, 2.9 / 4.3GHz, 12MB)

Graphics
NVIDIA GeForce GTX 1660 SUPER 6GB GDDR6

Chipset
Intel B460

Memory
1x 8GB DIMM DDR4-2933

Storage
256GB SSD M.2 2280 NVMe Opal + 1TB HDD 7200rpm 3.5"

Optane Memory
None

Optical
None

Ethernet
Integrated 100/1000M

Media Reader
3-in-1 Card Reader

WLAN + Bluetooth
11ax, 2x2 + BT5.0

Color
Raven Black

Keyboard
USB Calliope Keyboard, Black, Italian

Mouse
USB Calliope Mouse, Black

System Fan
1x Front + 1x Rear

Power Supply
310W 92% Energy Star

Operating System
Windows 10 Home 64, Italian / English

Bundled Software
None

Base Warranty
2-year, Depot

Bundled Service
None

End of Support
2026-09-07

Announce Date
2020-06-12

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IdeaCentre G5 14IMB05 Intel Platform Specifications

Processor

10th Generation Intel Core™ i3 / i5 / i7 Processors

Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics
Core i3-10100	4 / 8	3.6 / 4.3 GHz	6 MB	DDR4-2666	UHD 630
Core i5-10400	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	UHD 630
Core i5-10400F	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	None
Core i7-10700	8 / 16	2.9 / 4.8 GHz	16 MB	DDR4-2933	UHD 630
Core i7-10700F	8 / 16	2.9 / 4.8 GHz	16 MB	DDR4-2933	None

Memory

32GB max, DDR4-2933*, two 288-pin DIMM sockets, dual-channel capable
* 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 Solid State Drive (SSD) / PCIe NVMe
Some: Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe

Optical *(opt)*

None

Onboard SATA

Three onboard SATA 6.0Gb/s connectors

Media reader

Optional 3-in-1 media card reader (SD / SDHC / SDXC)

Graphics

Some: **Intel UHD Graphics 610/630** in processor, one HDMI™, one VGA, supports up to 2 independent displays, more displays support via discrete graphics; Max resolution: 4096x2160 (HDMI)@24Hz; 2048x1536 (VGA)@50Hz

Some: **NVIDIA® GeForce® RTX™ 2060**, 6GB GDDR6, DirectX 12, one HDMI, three DisplayPort™; Max resolution: 7680x4320 (HDMI)@30Hz ; 7680x4320 (DP)@60Hz

Some: **NVIDIA GeForce GTX 1660 SUPER** 6GB GDDR6, DirectX 12, one HDMI, one DVI, one DP; Max resolution: 4096x2160 (HDMI)@60Hz; 5120x3200 (DP)@60Hz 2560x1660(DVI)@60Hz

Some: **NVIDIA GeForce GTX 1650 SUPER**, 4GB GDDR6, DirectX 12, one HDMI, two DP; Max resolution: 4096x2160 (HDMI)@60Hz; 5120x3200 (DP)@60Hz

Some: **AMD Radeon™ RX 5500**, 4GB GDDR6, DirectX 12, one HDMI, three DP; Max resolution: 4096x2160@60Hz (HDMI); 7680x4320 (DP)@60Hz;

Chipset

Intel B460 platform

Front ports

Two USB 3.2 Gen1, one USB 3.2 Type-C Gen1, one headphone / microphone combo jack (3.5mm), optional media reader

Rear ports

Four USB 2.0, one VGA, one HDMI, one ethernet (RJ-45), line-out (3.5mm)

Audio support

High Definition (HD) Audio Realtek ALC222-CG

WLAN

Some: 11ac Wi-Fi + Bluetooth 5.0 combo adapter, M.2 card, 2x2
Some: 11ax Wi-Fi + Bluetooth 5.0 combo adapter, M.2 card, 2x2

Bluetooth™

Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet

One gigabit ethernet port

Security features

Power-on password, administrator password, hard-disk password

Keyboard

Lenovo Calliope Keyboard (USB connector), black

Mouse

Lenovo Calliope Mouse (USB connector), black

Mechanical

- Tower (13.6L), Raven Black chassis with Chameleon front bezel
- *(WxDxH) with bezel:* 5.71" x 11.5" x 14.37"; 145mm x 292.2mm x 365mm
- Approx 12.79 lb (5.8 kg), weight may vary by configuration
- Optional front system fan, rear system fan
- Front panel lighting effect

Bay 1: slim optical bay
Bay 2: 3.5", disk bay
Bay 3: 2.5", disk bay
Slot 1: PCIe 3.0 x16
Slot 2: PCIe 3.0 x1
M.2 card slots: one for WLAN, one for M.2 SSD / Optane

Power supply

Some: 260 watts, autosensing, 85% PSU
Some: 310 watts, autosensing, 92% PSU
Some: 380 watts, autosensing, 92% PSU

Limited warranty

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

Preload

Preloaded operating system
Some: Windows® 10 Home 64
Some: Windows 10 Pro 64
Preloaded applications (only some listed)

- Microsoft Office
- Lenovo® Vantage
- McAfee® LiveSafe™ (1 year version)
- PowerDVD (DVD±RW)
- Power2GO (DVD±RW)

Environment

ENERGY STAR® 8.0 (on some mode);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.

Lenovo, May 2020

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