IdeaCentre G5 14IMB05 90N9008TGE

Product
IdeaCentre G5 14IMB05

Region
WE

Country/Region
Germany

Machine Type
90N9

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

Graphics
NVIDIA GeForce GTX 1650 SUPER 4GB GDDR6

Chipset
Intel B460

Memory
2x 8GB DIMM DDR4-2933

Storage
512GB SSD M.2 2242 NVMe

Optane Memory
None

Optical
None

Ethernet
Integrated 100/1000M

Media Reader
3-in-1 Card Reader

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

Color
Raven Black

Keyboard
USB Calliope Keyboard, Black, German

Mouse
USB Calliope Mouse, Black

System Fan
1x Front + 1x Rear

Power Supply
310W 92% Energy Star

Operating System
Windows 10 Home 64, German

Bundled Software
None

Base Warranty
2-year, Depot

Bundled Service
None

End of Support
N/A

Announce Date
2020-06-22

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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