

IdeaCentre G5 14IMB05 90N900BBMK

Product

IdeaCentre G5 14IMB05

Region

EET

Country/Region

Czech, Slovakia

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 UDIMM DDR4-2933

Storage

512GB SSD M.2 2242 NVMe + 1TB HDD 7200rpm 3.5"

Optane Memory

None

Optical

None

Ethernet

Integrated 100/1000M

Media Reader

3-in-1 Card Reader

WLAN + Bluetooth

None

Color

Raven Black

Keyboard

None

Mouse

None

System Fan

1x Front + 1x Rear

Power Supply

380W 92% Energy Star

Operating System

Windows 10 Home 64, Czech / Slovak / English

Bundled Software

None

Base Warranty

2-year, Depot

Bundled Service

None

End of Support

2026-09-07

Announce Date

2020-07-17

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IdeaCentre G5 14IMB05 Intel Platform Specifications

Product Specifications Reference (PSREF)

Processor		10th Generation Intel Core™ i3 / i5 / i7 Processors					Audio support		High Definition (HD) Audio Realtek ALC222-CG	
Processor	Cores / Threads	Frequency (Base/Max)	Cache	Memory Types	Integrated Graphics	WLAN				
Core i3-10100	4 / 8	3.6 / 4.3 GHz	6 MB	DDR4-2666	UHD 630	Some: 11ac Wi-Fi + Bluetooth 5.0 combo adapter, M.2 card, 2x2				
Core i5-10400	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	UHD 630	Some: 11ax Wi-Fi + Bluetooth 5.0 combo adapter, M.2 card, 2x2				
Core i5-10400F	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	None	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter				
Core i7-10700	8 / 16	2.9 / 4.8 GHz	16 MB	DDR4-2933	UHD 630	One gigabit ethernet port				
Core i7-10700F	8 / 16	2.9 / 4.8 GHz	16 MB	DDR4-2933	None	Security features	Power-on password, administrator password, hard-disk password			
Memory						Keyboard		Lenovo Calliope Keyboard (USB connector), black		
32GB max, DDR4-2933*, two 288-pin DIMM sockets, dual-channel capable * System automatically clocks down for the processors with lower memory controller						Mouse		Lenovo Calliope Mouse (USB connector), black		
Storage						Mechanical				
Some: Hard Drive / SATA 6.0Gb/s, 3.5", 7200 rpm						<ul style="list-style-type: none"> • 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 				
Some: M.2 Solid State Drive (SSD) / PCIe NVMe						<ul style="list-style-type: none"> • 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 				
Some: Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe						Power supply				
Optical (opt) None						Some: 260 watts, autosensing, 85% PSU				
Onboard SATA Three onboard SATA 6.0Gb/s connectors						Some: 310 watts, autosensing, 92% PSU				
Media reader Optional 3-in-1 media card reader (SD / SDHC / SDXC)						Some: 380 watts, autosensing, 92% PSU				
Graphics						Limited warranty				
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						<ul style="list-style-type: none"> • 1-year, mail-in service / service upgrades available • 1-year or 2-year, depot repair service / service upgrades available 				
Some: NVIDIA® GeForce® RTX™ 2060, 6GB GDDR6, DirectX 12, one HDMI, three DisplayPort™;						Preload				
Some: NVIDIA® GeForce® RTX™ 2060, 6GB GDDR6, DirectX 12, one HDMI, three DisplayPort™;						Preloaded operating system Some: Windows® 10 Home 64 Some: Windows 10 Pro 64 Preloaded applications (only some listed) <ul style="list-style-type: none"> • Microsoft Office • Lenovo® Vantage • McAfee® LiveSafe™ (1 year version) • PowerDVD (DVD±RW) • Power2GO (DVD±RW) 				
Some: NVIDIA GeForce GTX 1660 SUPER 6GB GDDR6, DirectX 12, one HDMI, one DVI, one DP;						Environment				
Some: NVIDIA GeForce GTX 1660 SUPER 6GB GDDR6, DirectX 12, one HDMI, one DVI, one DP;						ENERGY STAR® 8.0 (on some mode);ErP Lot 3; RoHS-compliant				
Some: NVIDIA GeForce GTX 1650 SUPER, 4GB GDDR6, DirectX 12, one HDMI, two DP;						Accessories				
Some: NVIDIA GeForce GTX 1650 SUPER, 4GB GDDR6, DirectX 12, one HDMI, two DP;						For compatible accessories, please go to http://smartfind.lenovo.com				
Some: AMD Radeon™ RX 5500, 4GB GDDR6, DirectX 12, one HDMI, three DP;						Chipset				
Some: AMD Radeon™ RX 5500, 4GB GDDR6, DirectX 12, one HDMI, three DP;						Intel B460 platform				
Max resolution: 4096x2160 (HDMI) @60Hz; 5120x3200 (DP) @60Hz						Front ports				
Max resolution: 4096x2160 (HDMI) @60Hz; 5120x3200 (DP) @60Hz						Two USB 3.2 Gen1, one USB 3.2 Type-C Gen1, one headphone / microphone combo jack (3.5mm), optional media reader				
Max resolution: 4096x2160 @60Hz (HDMI); 7680x4320 (DP) @60Hz;						Rear ports				
Max resolution: 4096x2160 @60Hz (HDMI); 7680x4320 (DP) @60Hz;						Four USB 2.0, one VGA, one HDMI, one ethernet (RJ-45), line-out (3.5mm)				

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

Lenovo, May 2020



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