

IdeaCentre G5 14IMB05 **90N900AVGE**

Product

IdeaCentre G5 14IMB05

Region

WE

Country/Region

Germany

Machine Type

90N9

Processor

Intel Core i7-10700 (8C / 16T, 2.9 / 4.8GHz, 16MB)

Graphics

NVIDIA GeForce GTX 1650 SUPER 4GB GDDR6

Chipset

Intel B460

Memory

2x 8GB UDIMM 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

Additional Certificates

None

Operating System

Windows 10 Home 64, German

Bundled Software

None

Base Warranty

2-year, Depot

Bundled Service

None

End of Support

2026-09-07

Announce Date

2020-07-10



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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	<i>Some:</i> 11ac Wi-Fi + Bluetooth 5.0 combo adapter, M.2 card, 2x2 <i>Some:</i> 11ax Wi-Fi + Bluetooth 5.0 combo adapter, M.2 card, 2x2
	Core i3-10100	4 / 8	3.6 / 4.3 GHz	6 MB	DDR4-2666	UHD 630	Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
	Core i5-10400	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	UHD 630	Ethernet	One gigabit ethernet port
	Core i5-10400F	6 / 12	2.9 / 4.3 GHz	12 MB	DDR4-2666	None	Security features	Power-on password, administrator password, hard-disk password
	Core i7-10700	8 / 16	2.9 / 4.8 GHz	16 MB	DDR4-2933	UHD 630	Keyboard	Lenovo Calliope Keyboard (USB connector), black
Memory	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
							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
Storage	<i>Some:</i> Hard Drive / SATA 6.0Gb/s, 3.5", 7200 rpm <i>Some:</i> M.2 Solid State Drive (SSD) / PCIe NVMe <i>Some:</i> Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe						Power supply	<i>Some:</i> 260 watts, autosensing, 85% PSU <i>Some:</i> 310 watts, autosensing, 92% PSU <i>Some:</i> 380 watts, autosensing, 92% PSU
Optical (opt)	None						Limited warranty	• 1-year, mail-in service / service upgrades available • 1-year or 2-year, depot repair service / service upgrades available
Onboard SATA	Three onboard SATA 6.0Gb/s connectors						Preload	Preloaded operating system <i>Some:</i> Windows® 10 Home 64 <i>Some:</i> Windows 10 Pro 64 Preloaded applications (only some listed) • Microsoft Office • Lenovo® Vantage • McAfee® LiveSafe™ (1 year version) • PowerDVD (DVD±RW) • Power2GO (DVD±RW)
Media reader	Optional 3-in-1 media card reader (SD / SDHC / SDXC)						Environment	ENERGY STAR® 8.0 (on some mode);ErP Lot 3; RoHS-compliant
Graphics	<i>Some:</i> 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 <i>Some:</i> NVIDIA® GeForce® RTX™ 2060 , 6GB GDDR6, DirectX 12, one HDMI, three DisplayPort™; Max resolution: 7680x4320 (HDMI)@30Hz; 7680x4320 (DP)@60Hz <i>Some:</i> 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 <i>Some:</i> NVIDIA GeForce GTX 1650 SUPER , 4GB GDDR6, DirectX 12, one HDMI, two DP; Max resolution: 4096x2160 (HDMI)@60Hz; 5120x3200 (DP)@60Hz <i>Some:</i> AMD Radeon™ RX 5500 , 4GB GDDR6, DirectX 12, one HDMI, three DP; Max resolution: 4096x2160@60Hz (HDMI); 7680x4320 (DP)@60Hz;						Accessories	For compatible accessories, please go to http://smartfind.lenovo.com
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)							

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

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