IdeaPad Gaming 3 15ARH05 Platform Specifications

Processor	AMD Ryzen™ Mobile Processors with Radeon™ Graphics

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Ryzen 5 4600H	6	12	3.0 GHz	4.0 GHz	3MB L2 / 8MB L3	DDR4-3200	AMD Radeon Graphics
Ryzen 7 4800H	8	16	2.9 GHz	4.2 GHz	4MB L2 / 8MB L3		

Graphics

Integrated Graphics	Discrete Graphics (Memory)
Intel UHD Graphics	NVIDIA® GeForce® GTX 1650 (4GB GDDR6 memory)
	NVIDIA GeForce GTX 1650 Ti (4GB GDDR6 memory)

supports external digital monitor via HDMI;
supports dual independent display;
Max resolution: 4096x2160@60Hz (HDMI)

Chipset	AMD SoC (System on Chip) platform
Memory	16GB max offering / 3200MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets
Display	*One of the following, configurable by model:* ● 15.6" (396mm) FHD (1920x1080), IPS, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 60Hz ● 15.6" (396mm) FHD (1920x1080), IPS, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 45% gamut, refresh rate 120Hz
Multi-touch	None
Storage	*Up to 2 drives (one HDD and M.2 SSD):* ● HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high ● M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 4
Optical	None
Ethernet	Gigabit Ethernet connection
WLAN	802.11ac 2x2 Wi-Fi + Bluetooth 5.0, M.2 Card
Bluetooth™	Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Dimensions	*WxDxH:* 14.13" x 9.83" x 0.98"; 359mm x 249.6mm x 24.9mm
Weight	Starting at 4.8 lb / 2.2 kg
Case color	Chameleon blue or onyx black
Case material	PC/ABS plastic

Media reader	None
Ports	Two USB 3.1 Gen 1, one USB 3.1 Type-C Gen 1, HDMI 2.0, Ethernet (RJ-45), AC power adapter jack, headphone / microphone combo jack ** Depending on many factors, actual data transfer speed may be lower than theoretical speed*
Bundled Accy	*Optional:* Lenovo Gaming M100 RGB Mouse (USB connector)
Camera	720p HD, 1.0MP resolution, privacy shutter, fixed focus, integrated dual array microphone
Audio support	HD Audio, Dolby Audio™, stereo speakers, 1.5W x 2, dual array microphone, headphone / microphone combo jack
Keyboard	6-row, multimedia Fn keys, numeric keypad, blue backlight
Touchpad	Buttonless Mylar surface multi-touch touchpad
Security	Power-on password, hard disk password, supervisor password
Security chip	Firmware TPM 2.0 integrated in chipset
Fingerprint reader	None
Battery	Integrated Li-Polymer 45Wh battery, supports Rapid Charge (1 hour 80%)
Max battery life	*MobileMark 2018:* 6.7 hr ** Battery life varies significantly with hardware configurations, settings, usage, & other factors*
AC adapter	135W slim tip AC adapter
Preload *(optional)*	Preloaded operating system ● Windows® 10 Home 64 ● Windows 10 Pro 64 *Preloaded applications (only some listed)* ● Microsoft Office Trial (with 30-day license) ● Microsoft Office Home and Student 2019 ● Microsoft Office Home and Business 2019 ● Microsoft 365 Family ● Microsoft 365 Personal ● Microsoft Office Personal 2019 ● Microsoft Office Perfessional 2019
Limited warranty	*One of the following, configurable by model:* • 1-year mail-in repair service • 1-year depot repair service • 1-year depot repair with 2-year system board repair service • 2-year/1-yr battery depot repair service
Environment	ENERGY STAR® 8.0; ErP lot3; RoHS-compliant

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