

## Lenovo Mobile Evaluation Table

Evaluation Criteria		Specification/Evaluation
<b>performance</b>	Processor / Chipset (speed, generation, efficiency)	Snapdragon 8+ Gen 1, Octa-core, 4nm, efficient
	GPU Performance (gaming, graphics)	Adreno 730, good gaming graphics
	RAM capacity and type	8GB LPDDR5
	Storage speed and type	256GB UFS 3.1
	Thermal management / throttling	Moderate under heavy gaming
<b>Real-world Performance</b>	App launch speed	Fast, most apps <1 sec
	Multitasking ability	Smooth, handles multiple apps efficiently
	Gaming performance (fps stability)	Stable 60–120 fps depending on game
	Heat generation under load	Noticeable warmth
	AI processing / NPU performance	Good AI processing for camera & assistant
<b>Display</b>	Display type	Active-Matrix Organic Light-Emitting Diode(AMOLED)each pixel produces its own light using organic compounds
	Size	6.7 inches
	Resolution	FHD+
	Refresh rate	120 Hz
	Touch sampling rate	240 Hz
	Brightness	1000 nits peak
	Color accuracy	DCI-P3
	HDR support	HDR10+
	Screen protection	Gorilla Glass Victus
	Screen-to-body ratio	91%
	PWM / Flicker	Minimal, comfortable for eyes

<b>Camera System</b>	Rear camera (number of lenses)	Triple: 108MP + 13MP ultrawide + 5MP macro
	Sensor size	1/1.33" main
	Aperture	f/1.8
	OIS/EIS stabilization	OIS on main lens
	Telephoto zoom	N/A
	Low-light performance	Good, night mode supported
	Video resolution	4K@60fps
	Front camera	32MP, fixed focus
<b>Battery &amp; Charging</b>	Battery capacity	5000 mAh
	Real-world endurance	~1 day moderate use
	Wired charging speed	68W fast charging
	Wireless charging	30W
	Reverse wireless charging	Supported
	Charger included	Yes
<b>Software / OS</b>	Operating system	Android 13
	OS version at launch	Latest Android version for the model
	Update policy	3 major OS updates, 4 years security patches
	UI/skin experience	Lenovo ZUI, minimal bloat
	Smoothness & stability	Stable over time
<b>Build Quality &amp; Design</b>	Material	Glass front/back, aluminum frame
	Durability	IP68 water & dust resistant
	Weight / Balance	203g / well-balanced
	Buttons / Haptics	Responsive, tactile
	Ergonomics / Grip	Comfortable
	Aesthetic design	Sleek, modern finish
<b>Connectivity</b>	5G bands	Sub-6, mmWave supported
	Wi-Fi version	Wi-Fi 6E
	Bluetooth version	5.2
	NFC support	Supported
	USB type &	Type-C, USB 3.2

	speed	
	Dual SIM / eSIM	Supported
<b>Audio</b>	Speakers	Stereo, good clarity
	Bass / Mid performance	Balanced
	Microphone quality	Clear voice capture
	Dolby Atmos / Hi-Res	Supported
<b>Storage &amp; Memory Options</b>	Configurations	8GB+128GB, 12GB+256GB
	Expandable storage	microSD supported
	RAM management	Efficient, smooth multitasking
<b>Security</b>	Fingerprint scanner	Side-mounted optical
	Face unlock	2D, fast
	Software security	Android sandboxing & permissions
<b>Price &amp; Value</b>	Price-to-performance ratio	High-end (e.g., Legion) models are performance-competitive but face strong rivals at similar price points
	Lifespan value	use over ~2–3 years before feeling slow
	Configuration Options	offer multiple storage/RAM options Expandable storage (microSD) is common in lower tiers
	Upgrade Path vs. Cost	premium yields performance gains, but cost per incremental performance jump increases.
	Discounts, bundles, student/business pricing	more common in tablets & laptops than smartphones.
<b>Special Features</b>	Stylus	Not supported
	Foldable / Rollable	N/A
	Gaming features	Cooling system, optimized performance
	Desktop mode	Not supported
	AI features	On-device AI for photography & smart apps
<b>Accessories</b>	Smartwatch / Tablet	Moderate ecosystem

<b>&amp; Ecosystem</b>	compatibility	
	Cases / Screen Protectors	Available officially
	Wireless ecosystem integration	Limited (no AirDrop equivalent)
<b>Reliability &amp; Brand Support</b>	Brand reputation	Strong in PCs, moderate in smartphones
	Customer service	Average, authorized service centers available
	Warranty & repairability	1-year standard, moderate repairability