

# 2023 LG gram 15.6-inch

This all-new 2023 LG gram features 13th Gen Core® i7 and i5 Processors



KEY FEATURES

## 15Z90R Series

- Windows 11 Pro (64bit)
- Intel 13th Gen i7 / i5 Processor Options
- 16GB / 8GB System Memory Options
- 1TB / 512GB / 256GB SSD Storage Options
- 15.6" WQXGA (2560x1600) IPS Display
- sRGB 100% Color Gamut
- Intel Iris Xe Graphics
- Trusted Platform Module (TPM) Security
- HD Webcam with Dual Microphone
- Dedicated Numeric Keypad
- Ultra-thin 0.69" Thickness
- Extremely Light 2.51 lbs.
- Tough MIL-STD-810G Compliant

Combining a tough, lightweight magnesium alloy body with an ultra-thin form factor, excellent performance and great battery life, The new LG gram is the ultimate tool for the business traveler. This LG gram has been redesigned with 13th Gen Intel processors, narrower bezels on all four sides, a 16:9 aspect ratio while retaining its powerful 80 Wh battery.

### Light Weight

The LG gram 15.6-inch laptop offers awesome screen size without the weight. With gram's innovative design and construction, this laptop weighs only 2.51 pounds, so it's easy to take anywhere.



### Tough & Low Profile

The sleek metal alloy body of the LG gram combines advanced nano carbon with magnesium to create a light weight yet durable housing for the computer that's still beautifully thin at 0.69" thick.

### Intel vPro®

For enterprises that need improved security, performance, and manageability, Intel vPro offers a potent platform. Intel vPro is an excellent part of selected LG gram models that has built-in hardware-based security features, remote management capability, and tremendous processing power.



### Long-Lasting Battery

Portability is a function of battery life in addition to size and weight, and this LG gram has been designed to keep going with up to 15 hours of power\* to hit deadlines and keep streaming long after others have quit.

# LG gram 15Z90R Series with Intel vPro®

		15Z90R-Q.APB7U1	15Z90R-Q.APB5U1	15Z90R-Q.APB3U1	
Processor		i7-1360P 13th Gen Intel® Core™ Processor with 12 Cores (4P+8E) 4 Performance Cores @ 2.2 GHz with turbo up to 5.0 GHz 8 Efficient Cores @ 1.6 GHz with turbo up to 3.7 GHz 18 MB Intel Smart Cache	i5-1340P 13th Gen Intel® Core™ Processor with 12 Cores (4P+8E) 4 Performance Cores @ 1.9 GHz with turbo up to 4.6 GHz 8 Efficient Cores @ 1.4 GHz with turbo up to 3.4 GHz 12 MB Intel Smart Cache	i5-1340P 13th Gen Intel® Core™ Processor with 12 Cores (4P+8E) 4 Performance Cores @ 1.9 GHz with turbo up to 4.6 GHz 8 Efficient Cores @ 1.4 GHz with turbo up to 3.4 GHz 12 MB Intel Smart Cache	
Intel vPro®		YES	YES	YES	
Operation System		Windows 11 Pro	Windows 11 Pro	Windows 11 Pro	
System Memory		16GB LPDDR5 (Dual Channel, 6000MHz)	8GB LPDDR5 (Dual Channel, 6000MHz)	8GB LPDDR5 (Dual Channel, 6000MHz)	
Storage		1TB NVMe Gen4 M.2(2280) Dual SSD slots	512GB NVMe Gen4 M.2(2280) Dual SSD slots	256GB NVMe Gen4 M.2(2280) Dual SSD slots	
Display		Diagonal	15.6 in. 39.6 cm	15.6 in. 39.6 cm	
		Resolution	FHD (1920 x 1080)	FHD (1920 x 1080)	FHD (1920 x 1080)
		Ratio	16:9	16:9	16:9
		Panel Type	IPS Non Touch / AIT	IPS Non Touch / AIT	IPS Non Touch / AIT
		Refresh Rate	60Hz	60Hz	60Hz
		Brightness	350 nits (IPS) / 300 nits (AIT)	350 nits (IPS) / 300 nits (AIT)	350 nits (IPS) / 300 nits (AIT)
		Color gamut	sRGB 100%(Typical, min 95%)	sRGB 100%(Typical, min 95%)	sRGB 100%(Typical, min 95%)
Graphics		Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	
Wireless		Intel® Wireless-AX211 (802.11ax, 2x2, Dual Band, BT Combo)	Intel® Wireless-AX211 (802.11ax, 2x2, Dual Band, BT Combo)	Intel® Wireless-AX211 (802.11ax, 2x2, Dual Band, BT Combo)	
BT		BT 5.1	BT 5.1	BT 5.1	
Webcam		FHD IR Webcam with Dual Mic (Face recognition)	FHD IR Webcam with Dual Mic (Face recognition)	FHD IR Webcam with Dual Mic (Face recognition)	
Sound Effect		HD Audio with Dolby Atmos	HD Audio with Dolby Atmos	HD Audio with Dolby Atmos	
Speaker		1.5W x 2 Stereo Speakers	1.5W x 2 Stereo Speakers	1.5W x 2 Stereo Speakers	
Security		SSD Security, fTPM/HW TPM(Option), Slim Kensington lock	SSD Security, fTPM/HW TPM(Option), Slim Kensington lock	SSD Security, fTPM/HW TPM(Option), Slim Kensington lock	
Input Devices		Keyboard	Full Size 97-Key Backlit Keyboard with 3 Column Numeric Keypad	Full Size 97-Key Backlit Keyboard with 3 Column Numeric Keypad	
		Pointing Device	Precision Touch Pad with Scroll and Gesture Functions (111.6 x 69.6 mm)	Precision Touch Pad with Scroll and Gesture Functions (111.6 x 69.6 mm)	Precision Touch Pad with Scroll and Gesture Functions (111.6 x 69.6 mm)
Memory Card		Micro SD	Micro SD	Micro SD	
Connectivity		Headphone Out	4-Pole 3.5mm Headset Jack	4-Pole 3.5mm Headset Jack	4-Pole 3.5mm Headset Jack
		USB Type A	USB 3.2 Gen2x1 (x2)	USB 3.2 Gen2x1 (x2)	USB 3.2 Gen2x1 (x2)
		USB Type C	USB 4 Gen3x2 Type C (x2) with USB PD, Display Port, Thunderbolt 4	USB 4 Gen3x2 Type C (x2) with USB PD, Display Port, Thunderbolt 4	USB 4 Gen3x2 Type C (x2) with USB PD, Display Port, Thunderbolt 4
		HDMI	HDMI	HDMI	HDMI
Battery		80 Wh Li-Ion MobileMark 2018: 15 hr / 13 hr(AIT) Video playback: 22 hr / 18.5 hr(AIT) JEITA 2.0: 24 hr / 20 hr(AIT)	80 Wh Li-Ion MobileMark 2018: 15 hr / 13 hr(AIT) Video playback: 22 hr / 18.5 hr(AIT) JEITA 2.0: 24 hr / 20 hr(AIT)	80 Wh Li-Ion MobileMark 2018: 15 hr / 13 hr(AIT) Video playback: 22 hr / 18.5 hr(AIT) JEITA 2.0: 24 hr / 20 hr(AIT)	
AC Adapter		65W (New, Small size) 2-pole with external 2m USB-C to USB-C 5A cable, Black (Wall-mount 'I' type, for US)	65W (New, Small size) 2-pole with external 2m USB-C to USB-C 5A cable, Black (Wall-mount 'I' type, for US)	65W (New, Small size) 2-pole with external 2m USB-C to USB-C 5A cable, Black (Wall-mount 'I' type, for US)	
Buttons		Power button without Fingerprint	Power button without Fingerprint	Power button without Fingerprint	
LED Indicators		Power, Charging, Caps Lock, webcam	Power, Charging, Caps Lock, webcam	Power, Charging, Caps Lock, webcam	
Dimensions		356.1 x 222.9 x 17.4 mm	356.1 x 222.9 x 17.4 mm	356.1 x 222.9 x 17.4 mm	
		14.02 x 8.78 x 0.69 in.	14.02 x 8.78 x 0.69 in.	14.02 x 8.78 x 0.69 in.	
Shipping Dimensions		476 x 271 x 60 mm	476 x 271 x 60 mm	476 x 271 x 60 mm	
		18.8 x 10.7 x 2.4 in.	18.8 x 10.7 x 2.4 in.	18.8 x 10.7 x 2.4 in.	
Weight		1.14 kg	1.14 kg	1.14 kg	
		2.51 lbs.	2.51 lbs.	2.51 lbs.	
Shipping Weight		2.1 kg	2.1 kg	2.1 kg	
		4.7 lbs.	4.7 lbs.	4.7 lbs.	
Color		Obsidian Black	Obsidian Black	Obsidian Black	
Preinstalled Software		LG On Screen Display 3 Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unison McAfee Live Safe (30 Days Trial) Intel® Connectivity Performance Suite LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey Extension) LG PC Manuals LG Update & Recovery LG Glance by Mirametrix® PCmover Professional New Wall paper LG Lively Theme (Wall-paper/ icon) LG Display Extension LG Security Guard Sync on Mobile	LG On Screen Display 3 Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unison McAfee Live Safe (30 Days Trial) Intel® Connectivity Performance Suite LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey Extension) LG PC Manuals LG Update & Recovery LG Glance by Mirametrix® PCmover Professional New Wall paper LG Lively Theme (Wall-paper/ icon) LG Display Extension LG Security Guard Sync on Mobile	LG On Screen Display 3 Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unison McAfee Live Safe (30 Days Trial) Intel® Connectivity Performance Suite LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey Extension) LG PC Manuals LG Update & Recovery LG Glance by Mirametrix® PCmover Professional New Wall paper LG Lively Theme (Wall-paper/ icon) LG Display Extension LG Security Guard Sync on Mobile	

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\*\*MobileMark® 2018 standard. Battery life will vary from specifications depending on model, setup configuration, applications used, features utilized and power management settings.







# LG gram 15Z90R Series Standard

		15Z90R-N.APB7U1	15Z90R-N.APC5U1	15Z90R-N.APC3U1	
Processor		i7-1360P 13th Gen Intel® Core™ Processor with 12 Cores (4P+8E) 4 Performance Cores @ 2.2 GHz with turbo up to 5.0 GHz 8 Efficient Cores @ 1.6 GHz with turbo up to 3.7 GHz 18 MB Intel Smart Cache	i5-1340P 13th Gen Intel® Core™ Processor with 12 Cores (4P+8E) 4 Performance Cores @ 1.9 GHz with turbo up to 4.6 GHz 8 Efficient Cores @ 1.4 GHz with turbo up to 3.4 GHz 12 MB Intel Smart Cache	i5-1340P 13th Gen Intel® Core™ Processor with 12 Cores (4P+8E) 4 Performance Cores @ 1.9 GHz with turbo up to 4.6 GHz 8 Efficient Cores @ 1.4 GHz with turbo up to 3.4 GHz 12 MB Intel Smart Cache	
Intel vPro®		NO	NO	NO	
Operation System		Windows 11 Pro	Windows 11 Pro	Windows 11 Pro	
System Memory		16GB LPDDR5 (Dual Channel, 6000MHz)	8GB LPDDR5 (Dual Channel, 6000MHz)	8GB LPDDR5 (Dual Channel, 6000MHz)	
Storage		1TB NVMe Gen4 M.2(2280) Dual SSD slots	512GB NVMe Gen4 M.2(2280) Dual SSD slots	256GB NVMe Gen4 M.2(2280) Dual SSD slots	
Display		Diagonal	15.6 in.	15.6 in.	
			39.6 cm	39.6 cm	
		Resolution	FHD (1920 x 1080)	FHD (1920 x 1080)	FHD (1920 x 1080)
		Ratio	16:9	16:9	16:9
		Panel Type	IPS Non Touch / AIT	IPS Non Touch / AIT	IPS Non Touch / AIT
		Refresh Rate	60Hz	60Hz	60Hz
		Brightness	350 nits (IPS) / 300 nits (AIT)	350 nits (IPS) / 300 nits (AIT)	350 nits (IPS) / 300 nits (AIT)
Color gamut		sRGB 100%(Typical, min 95%)	sRGB 100%(Typical, min 95%)	sRGB 100%(Typical, min 95%)	
Graphics		Intel Iris Xe Graphics	Intel Iris Xe Graphics	Intel Iris Xe Graphics	
Wireless		Intel® Wireless-AX211 (802.11ax, 2x2, Dual Band, BT Combo)	Intel® Wireless-AX211 (802.11ax, 2x2, Dual Band, BT Combo)	Intel® Wireless-AX211 (802.11ax, 2x2, Dual Band, BT Combo)	
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Webcam		FHD IR Webcam with Dual Mic (Face recognition)	FHD IR Webcam with Dual Mic (Face recognition)	FHD IR Webcam with Dual Mic (Face recognition)	
Sound Effect		HD Audio with Dolby Atmos	HD Audio with Dolby Atmos	HD Audio with Dolby Atmos	
Speaker		1.5W x 2 Stereo Speakers	1.5W x 2 Stereo Speakers	1.5W x 2 Stereo Speakers	
Security		SSD Security, fTPM/HW TPM(Option), Slim Kensington lock	SSD Security, fTPM/HW TPM(Option), Slim Kensington lock	SSD Security, fTPM/HW TPM(Option), Slim Kensington lock	
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		Pointing Device	Precision Touch Pad with Scroll and Gesture Functions (111.6 x 69.6 mm)	Precision Touch Pad with Scroll and Gesture Functions (111.6 x 69.6 mm)	
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Connectivity		Headphone Out	4-Pole 3.5mm Headset Jack	4-Pole 3.5mm Headset Jack	
		USB Type A	USB 3.2 Gen2x1 (x2)	USB 3.2 Gen2x1 (x2)	
		USB Type C	USB 4 Gen3x2 Type C (x2) with USB PD, Display Port, Thunderbolt 4	USB 4 Gen3x2 Type C (x2) with USB PD, Display Port, Thunderbolt 4	
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Shipping Weight		2.1 kg	2.1 kg	2.1 kg	
		4.7 lbs.	4.7 lbs.	4.7 lbs.	
Color		Obsidian Black	Charcoal gray	Charcoal gray	
Preinstalled Software		LG On Screen Display 3 Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unison McAfee Live Safe (30 Days Trial) Intel® Connectivity Performance Suite LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey Extension) LG PC Manuals LG Update & Recovery LG Glance by Mirametrix® PCmover Professional New Wall paper LG Lively Theme (Wall-paper/ icon) LG Display Extension LG Security Guard Sync on Mobile	LG On Screen Display 3 Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unison McAfee Live Safe (30 Days Trial) Intel® Connectivity Performance Suite LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey Extension) LG PC Manuals LG Update & Recovery LG Glance by Mirametrix® PCmover Professional New Wall paper LG Lively Theme (Wall-paper/ icon) LG Display Extension LG Security Guard Sync on Mobile	LG On Screen Display 3 Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unison McAfee Live Safe (30 Days Trial) Intel® Connectivity Performance Suite LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey Extension) LG PC Manuals LG Update & Recovery LG Glance by Mirametrix® PCmover Professional New Wall paper LG Lively Theme (Wall-paper/ icon) LG Display Extension LG Security Guard Sync on Mobile	

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