

# 2023 LG gram 16-inch

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



#### 16Z90R Series

Windows 11 Pro (64bit)
Intel 13th Gen i7 / i5 Processor Options
16GB / 8GB System Memory Options
1TB / 512GB SSD Storage Options
16.0" WQXGA (2560x1600) IPS Display
DCI-P3 99% Color Gamut
Intel Iris Xe Graphics
Trusted Platform Module (TPM) Security
HD Webcam with Dual Microphone
Dedicated Numeric Keypad
Ultra-thin 0.7" Thickness
Extremely Light 2.64 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 16:10 aspect ratio while retaining its powerful 80 Wh battery.

**KEY FEATURES** 

### **Light Weight**

The LG gram 16-inch laptop offers awesome screen size without the weight. With gram's innovative design and construction, this laptop weighs less than 3 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 0.66" 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 14.5 hours of power\* to hit deadlines and keep streaming long after others have quit.

# 16Z90R-Q.APB7U1

# 16Z90R-Q.APB5U1

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
		ro ivib intel smart Cache	12 MB Meel Smart Cache
Intel vPro®		YES	YES
Operation System		Windows 11 Pro	Windows 11 Pro
System Memory		16GB LPDDR5 (Dual Channel, 6000MHz)	8GB LPDDR5 (Dual Channel, 6000MHz)
Storage	SSD	1TB NVMe Gen4 M.2(2280) Dual SSD slots	512GB NVMe Gen4 M.2(2280) Dual SSD slots
	Diagonal	16 in.	16 in.
	Diagonal	40.6 cm	40.6 cm
	Resolution	WQXGA (2560 x 1600)	WQXGA (2560 x 1600)
Display	Ratio	16:10	16:10
	Panel Type	IPS Non Touch	IPS Non Touch
	Refresh Rate	60Hz / VRR (31Hz~144Hz, option)	60Hz / VRR (31Hz~144Hz, option)
	Brightness	350 nits / 400 nits (VRR)	350 nits / 400 nits (VRR)
	Color gamut	DCI-P3 99% (Typical, min 95%)	DCI-P3 99% (Typical, min 95%)
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)
BT		BT 5.1	BT 5.1
Webcam		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
Speaker		Stereo Speaker 2.0W x 2	Stereo Speaker 2.0W x 2
Security		SSD Security, fTPM/HW TPM(Option), Slim Kensington lock	SSD Security, fTPM/HW TPM(Option), Slim Kensington lock
	Keyboard	Full Size 97-Key Backlit Keyboard with 3 Column Numeric Keypad	Full Size 97-Key Backlit Keyboard with 3 Column Numeric Keypad
Input		Precision Touch Pad	Precision Touch Pad
Devices	Pointing Device	with Scroll and Gesture Functions $(131.5 \times 82.6 \text{ mm})$	with Scroll and Gesture Functions $(131.5 \times 82.6 \text{ mm})$
Memory Card		Micro SD	Micro SD
	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)
Connectivity		USB 4 Gen3x2 Type C (x2)	USB 4 Gen3x2 Type C (x2)
	USB Type C	with USB PD, Display Port, Thunderbolt 4	with USB PD, Display Port, Thunderbolt 4
	HDMI	HDMI	HDMI
Battery		80 Wh Li-lon	80 Wh Li-lon
		MobileMark 2018: 14.5 hr	MobileMark 2018: 14.5 hr
		Video playback: 23.5 hr	Video playback: 23.5 hr
		JEITA 2.0: 24.5 hr	JEITA 2.0: 24.5 hr
AC Adapter		65W (New, Small size)	65W (New, Small size)
		2-pole with external 2m USB-C to USB-C 5A cable, Black	2-pole with external 2m USB-C to USB-C 5A cable, Black
		(Wall-mount 'l' type, for US)	(Wall-mount 'l' type, for US)
Buttons		Power button without Fingerprint	Power button without Fingerprint
LED Indicators		Power, Charging, Caps Lock, webcam	Power, Charging, Caps Lock, webcam
Dimensions  Shipping Dimensions		355.1 × 242.3 × 16.8 mm 13.98 × 9.54 × 0.66 in.	355.1 x 242.3 x 16.8 mm 13.98 x 9.54 x 0.66 in.
		.==	13.98 x 9.54 x 0.60 in. 475 x 290 x 60 mm
		4 / 5 x 290 x 60 mm 18.8 x 11.5 x 2.4 in.	18.8 x 11.5 x 2.4 in.
Weight		1.2 kg	1.2 kg
Weight		2.64 lbs.	2.64 lbs.
Shipping Weight		2.2 kg	2.2 kg
		4.9 lbs.	4.9 lbs.
Color		Obsidian Black	Obsidian Black
Preinstalled Software		LG On Screen Display 3	LG On Screen Display 3
		Microsoft 365 (30 Days Trial)	Microsoft 365 (30 Days Trial)
		Dolby Atmos	Dolby Atmos
		Intel® Unision	Intel® Unision
		McAfee Live Safe (30 Days Trial)	McAfee Live Safe (30 Days Trial)
		Intel® Connectivity Performance Suite LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey	Intel <sup>®</sup> Connectivity Performance Suite LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey
		LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey Extension)	EXTENSION EXTENSION ( Add reature : LG Cleaning Helper, LG Hotkey
		LG PC Manuals	LG PC Manuals
		LG Update & Recovery	LG Update & Recovery
		LG Glance by Mirametrix®	LG Glance by Mirametrix®
		PCmover Professional	PCmover Professional
		New Wall paper	New Wall paper
		LG Lively Theme (Wall-paper/ icon) LG Display Extension	LG Lively Theme (Wall-paper/ icon) LG Display Extension
		LG Display Extension  LG Security Guard	LG Display Extension  LG Security Guard
		Sync on Mobile	Sync on Mobile

<sup>\*</sup>Specifications are subject to change without notice, so please reach LG salesteam to ensure before ordering.

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

# 16Z90R-N.APB7U1

# 16Z90R-N.APC5U1

Processor				
Spream	Processor		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	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
System Nemony			NO	NO
Spring Mannoy				
System   Size   Size   March 60000May   March 600000May   March 60000May	Operation System			
March   Sub	System Memory		(Dual Channel, 6000MHz)	(Dual Channel, 6000MHz)
Desprish	Storage	SSD		
Part	Display	Diagonal		
Parel Type		Resolution	WQXGA (2560 x 1600)	WQXGA (2560 x 1600)
Refresh Rate		Ratio		
Metrosh Afer   (314-1-448t, option)   (314-1-448t, option)   (314-1-448t, option)		Panel Type		
Color gamue		Refresh Rate		
Freginics		Brightness	350 nits / 400 nits (VRR)	350 nits / 400 nits (VRR)
Windows		Color gamut		
Welcam				
Webcam				
Sound Effect				
Speaker				` , ,
Security			•	,
			·	
Processon Touch Pad	Security	<b>"</b>	Slim Kensington lock	Slim Kensington lock
Devictes	lanut.	Keyboard		
Memory Card		Pointing Device	with Scroll and Gesture Functions	with Scroll and Gesture Functions
Headphone Out	Memory Card			
USB Type A	memory care	Headphone Out		
Visit   Visi				
HDMI	Connectivity	LISP Type C	USB 4 Gen3x2 Type C (x2)	USB 4 Gen3x2 Type C (x2)
Battery				
MobileMark 2018: 14.5 hr   Video playback: 23.5 hr   Video playback: 23.5 hr   JEITA 2.0: 24.5 hr   JEITA 2.0: 2		HDMI		
AC Adapter   2-pole with external 2m USB-C to USB-C 5A cable, Black (Wall-mount "I type, for US")   2-pole with external 2m USB-C to USB-C 5A cable, Black (Wall-mount "I type, for US")   for US"	Battery		MobileMark 2018: 14.5 hr Video playback: 23.5 hr	MobileMark 2018: 14.5 hr Video playback: 23.5 hr
LED Indicators	AC Adapter		2-pole with external 2m USB-C to USB-C 5A cable, Black (Wall-mount 'I' type,	2-pole with external 2m USB-C to USB-C 5A cable, Black (Wall-mount 'l' type,
Dimensions	Buttons		Power button without Fingerprint	Power button without Fingerprint
13.98 x 9.54 x 0.66 in.   14.75 x 2.90 x 6.0 mm   12.80				
13.98 x 954 x 0.66 in   13.98 x 954 x 0.66 in   13.98 x 954 x 0.66 in   475 x 290 x 60 mm   475 x 290 x 60 mm   475 x 290 x 60 mm   18.8 x 11.5 x 2.4 in.   12. kg   1.2 kg   1	Dimensions			
1.2 kg				
Shipping Weight   2.64 lbs.   2.2 kg   2.2 kg   2.2 kg   2.2 kg   3.2 kg	Shipping Dimensions			
Shipping Weight  2.2 kg 2.2 kg 4.9 lbs.  Color  Obsidian Black  Charcoal gray  LG On Screen Display 3 Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unision McAfee Live Safe (30 Days Trial) Intel® Connectivity Performance Suite LG Smart Assistant 2.0 ( Add feature : LG Cleaning Helper, LG Hotkey Extension)  Preinstalled Software  LG Glance by Mirametrix® LG Glance by Mirametrix® PCmover Professional New Wall paper  LG Hotkey Set Intel® Connectivity Performance Suite LG Glance by Mirametrix® PCmover Professional New Wall paper  LOA Intel® Connectivity Performance Suite LG Glance by Mirametrix® PCmover Professional New Wall paper	Weight			
A.9 lbs.  Color  Obsidian Black  Charcoal gray  LG On Screen Display 3  Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unision McAfee Live Safe (30 Days Trial) Intel® Connectivity Performance Suite LG Smart Assistant 2.0 (Add feature: LG Cleaning Helper, LG Hotkey Extension)  Preinstalled Software  LG Glance by Mirametrix® LG Glance by Mirametrix® PCmover Professional New Wall paper  A.9 lbs.  4.9 lbs				
Color  Obsidian Black  LG On Screen Display 3  Microsoft 365 (30 Days Trial)  Dolby Atmos Intel® Unision  McAfee Live Safe (30 Days Trial)  Intel® Connectivity Performance Suite LG Smart Assistant 2.0 (Add feature : LG Cleaning Helper, LG Hotkey Extension)  Preinstalled Software  LG Glance by Mirametrix®  PCmover Professional New Wall paper  LG On Screen Display 3  Microsoft 365 (30 Days Trial)  Dolby Atmos  Intel® Unision  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  New Wall paper				
Microsoft 365 (30 Days Trial)  Dolby Atmos Intel® Unision  McAfee Live Safe (30 Days Trial)  McAfee Live Saf	Color			
LG Lively Theme (Wall-paper/ Icon)  LG Display Extension  LG Security Guard  Sync on Mobile  LG Lively Theme (Wall-paper/ Icon)  LG Display Extension  LG Security Guard  Sync on Mobile  Sync on Mobile	Preinstalled Software		Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unision 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	Microsoft 365 (30 Days Trial) Dolby Atmos Intel® Unision 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

<sup>\*</sup>Specifications are subject to change without notice, so please reach LG salesteam to ensure before ordering.

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



- f http:s//www.facebook.com/LGcommercialdisplays
- in https://www.linkedin.com/company/lg-commercial-displays-usa
  https://www.youtube.com/lgcommercialdisplayusa
  800.897.8726

© Copyright 2023 ©LG Electronics USA, Inc. All rights reserved. LG and the LG logo are registered trademarks of LG Corp.

All other trademarks are the property of their respective owners. Prices, promotions, and availability may vary by dealer. The information contained herein is subject to change without notice. All screen images are simulated. SPEC\_16Z90R Series gram\_032323\_LR