



LG Gram 16Z90P Intel® Core™ i7 i7-1165G7 Laptop 40,6 cm (16") WQXGA 16 GB LPDDR4x-SDRAM 1 TB SSD Wi-Fi 6 (802.11ax) Windows 10 Home Black

Brand : LG

Product family: Gram

Product code: 16Z90P-
G.AA88P

Product name : 16Z90P

LG Gram 16Z90P. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1165G7, Processor frequency: 2,8 GHz. Display diagonal: 40,6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 16 GB, Internal memory type: LPDDR4x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 10 Home. Product colour: Black



Design		Network	
Product type *	Laptop	WLAN controller manufacturer	Intel
Product colour *	Black	Bluetooth	✓
Form factor *	Clamshell	Bluetooth version	5.1
Display		Ports & interfaces	
Display diagonal *	40,6 cm (16")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display resolution *	2560 x 1600 pixels	Thunderbolt technology	✓
Touchscreen *	✗	Ethernet LAN (RJ-45) ports	1
HD type	WQXGA	HDMI ports quantity *	1
Panel type	IPS	Thunderbolt 4 ports quantity	2
Native aspect ratio	16:10	Intel® Thunderbolt 4	✓
Display brightness	300 cd/m²	Headphone outputs	1
RGB colour space	DCI-P3	USB Type-C DisplayPort Alternate Mode	✓
Colour gamut	99%	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	Intel	Numeric keypad *	✓
Processor family *	Intel® Core™ i7	Keyboard backlit	✓
Processor generation	11th gen Intel® Core™ i7	Full-size keyboard	✓
Processor model *	i7-1165G7	Software	
Processor cores	4	Operating system architecture	64-bit
Processor boost frequency	4,7 GHz	Operating system installed *	Windows 10 Home
Processor frequency *	2,8 GHz	Processor special features	
Processor cache	12 MB	Intel® Evo™ Platform Verified	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✗
Configurable TDP-up frequency	2,8 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-up	28 W	Intel Stable Image Platform Program (SIPP)	✗
Configurable TDP-down	12 W	Intel Software Guard Extensions (Intel SGX)	✗
Configurable TDP-down frequency	1,2 GHz	Idle States	✓
Memory		CPU configuration (max)	1
Internal memory *	16 GB	Embedded options available	✗
Internal memory type	LPDDR4x-SDRAM		
Memory clock speed	4266 MHz		
Storage			
Total storage capacity *	1 TB		
Storage media *	SSD		

Storage		Processor special features	
Total SSDs capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Virtualization Technology (VT-x)	✓
Solid-state drive capacity	1 TB		
Solid-state drive interface	NVMe		
NVMe	✓		
Optical drive type *	✗		
Card reader integrated	✓		
Compatible memory cards	MicroSD (TransFlash)		
Graphics		Battery	
Discrete graphics card model *	Not available	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card *	✓	Battery capacity *	80 Wh
Discrete graphics card *	✗	Battery life (max)	16,5 h
On-board graphics card family	Intel Iris Xe Graphics	Fast charging	✓
On-board graphics card model *	Intel Iris Xe Graphics		
On-board graphics card 4K support	✓		
On-board graphics card 6K support	✓		
Graphics card Open GL support	✓		
Audio		Power	
Audio system	DTS:X Ultra	AC adapter power	65 W
Number of built-in speakers	2	USB Type-C charging port *	✓
Speaker power	2 W	USB Power Delivery	✓
Built-in microphone	✓		
Camera		Security	
Front camera	✓	Cable lock slot	✓
Front camera resolution	1280 x 720 pixels	Cable lock slot type	Kensington
Front camera HD type	HD	Fingerprint reader	✓
Network		Trusted Platform Module (TPM)	✓
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Password protection	✓
Mobile network connection *	✗	Password protection type	HDD
WLAN controller model	Intel Wi-Fi 6 AX201		
		Weight & dimensions	
		Width	355,9 mm
		Depth	243,4 mm
		Height	16,8 mm
		Weight *	1,19 kg
		Packaging data	
		Package width	469 mm
		Package depth	70 mm
		Package height	291 mm
		Package weight	2,15 kg
		Packaging content	
		Cables included	USB Type-C



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