LG

LG Gram Pro 17Z90TP-G Intel Core Ultra 7 155H Laptop 43.2 cm (17") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Home Black

Brand : LG

Product family: Gram Pro

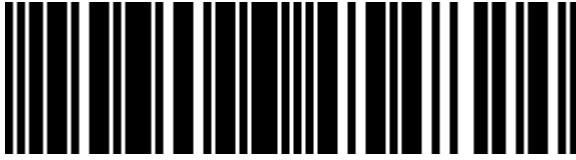**Product code:** 17Z90TP-G.AD88A1

Product name : 17Z90TP-G

- 17" 16:10 WQXGA (2560x1600) IPS LCD display
- AI assistant Copilot in Windows 11
- AI optimized Intel® Arrow Lake H Processor / LPDDR5x RAM / NVMe Gen4 SSD
- gram AI / LG gram Link
- 1,369g Lightweight / 77Wh smart battery
- 31-144Hz Variable Refresh Rate (VRR)

17" WQXGA (2560 x 1600), 400nit, 32GB RAM, 1 TB NVMe Gen4, Intel® Arrow Lake Processor Ultra7 255H, gram AI, BT 5.4, WiFi-7, 77 Wh Li-Ion, Obsidian Black, Windows 11 Home
LG Gram Pro 17Z90TP-G. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 43.2 cm (17"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Home. Product colour: Black. Weight: 1.37 kg

Design

Colour name	Obsidian Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Magnesium
Country of origin	China
Original brand name	LG

Display

Display diagonal *	43.2 cm (17")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	WQXGA
Panel type	IPS
Native aspect ratio	16:10
Anti-glare screen	✔
Display brightness	400 cd/m²
Display diagonal (metric)	43.18 cm
RGB colour space	DCI-P3
Colour gamut	99%
Maximum refresh rate	144 Hz
Contrast ratio (typical)	1500:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 7
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	155H
Processor cores	16
Processor threads	16
Processor boost frequency	5.1 GHz
Performance cores	6
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	5.1 GHz

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✘
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics

Audio

Audio system	Dolby Atmos
Number of built-in speakers	2
Speaker power	3 W
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Infrared (IR) camera	✔

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✘
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Bluetooth	✔
Bluetooth version	5.4

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HDMI ports quantity *	1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✔

Processor

Efficient-core Max Turbo Frequency	4.4 GHz
Low Power Efficient-core Max Turbo Frequency	2.5 GHz
Performance-core base frequency	2 GHz
Efficient-core base frequency	1.5 GHz
Low Power Efficient-core Base Frequency	700 MHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	28 W
Maximum turbo power	115 W

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Sparsity support	✔
Windows Studio effects support	✔
AI datatype support on NPU	Int8
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, WebNN, Windows ML

Memory

Internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘

Ports & interfaces

Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Full-size keyboard	✔
Keyboard number of keys	101
Keyboard layout	QWERTY

Software

Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	77 Wh

Power

AC adapter power	65 W
USB Type-C charging port *	✔
USB Type-C required charging power (max) *	65 W
USB Power Delivery (USB PD)	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington

Weight & dimensions

Width	379.4 mm
Depth	265.4 mm
Height	14.6 mm
Weight *	1.37 kg

Packaging data

Package width	499 mm
Package depth	60 mm
Package height	307 mm
Package weight	2.45 kg

Packaging content

AC adapter included *	✔

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