## **LG LAPTOPS**



## 14Z90P-K.AAS8U1

LG gram 14.0" i7 Processor Ultra-Slim Laptop

14" WUXGA (1920 x 1200) IPS LCD Screen

Windows 10 Home (64bit)

11th Generation Intel® Core™ i7-1165G7 CPU

Intel® Iris® Xe Graphics

16GB LPDDR4X 4266MHz RAM

512GB NVMe<sup>™</sup> SSD

72WH Lithium Battery (up to 25.5 hours)

MIL-STD-810G Passed

Fingerprint ID

**Back-lit Keyboard** 

DTS X Ultra

Thunderbolt<sup>™</sup> 4

Model         14Z90P-K.AAS8U1           Color         Silver           FEATURES           Operating System         Windows 10 Home (64bit)           Reader Mode         Yes           Back-lit Keyboard         Yes           DTS X:Ultra         Yes           Fingerprint ID         Yes           Webcam Resolution         HD Webcam           MIL-STD 810G         Yes           Thunderbolt™ 4         Yes           PROCESSOR           Processor (Base/Turbo Clock)         17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)           MEMORY           System Memory         16GB LPDDR4X 4266MHz - 16GB (On Board)           HARD DRIVE           Type         M.2 2280 SSD (Solid State Drive)           Interface         NVMe™           Capacity         512GB (512GB x 1)           CONNECTIVITY           Wireless         Intel® Wi-Fi 6 AX201 (Wi-Fi 6	GENERAL INFORMATION	
FEATURES Operating System Windows 10 Home (64bit) Reader Mode Yes Back-lit Keyboard Yes DTS X:Ultra Yes Fingerprint ID Yes Webcam Resolution HD Webcam MIL-STD 810G Yes Thunderbolt™ 4 Yes  PROCESSOR Processor (Base/Turbo Clock) Tri165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  MEMORY System Memory 16GB LPDDR4X 4266MHz - 16GB (On Board)  HARD DRIVE Type M.2 2280 SSD (Solid State Drive) Interface NVMe™ Capacity 512GB (512GB x 1)  CONNECTIVITY Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo) Bluetooth Bluetooth 5.1  DISPLAY Screen Size 14.0" Display Type IPS LCD Resolution WUXGA (1920 x 1200) Color gamut DCCI-P3 99% (Typical, min 95%)	Model	14Z90P-K.AAS8U1
Operating System Reader Mode Reader Mode Reader Reader Reader Reader Reader Mode Reader Reader Reader Mode Reader Reader Reader Reader Reader Mode Reader Reader Reader Mode Reader Reader Reader Reader Reader Mode Reader Mode Reader Reade	Color	Silver
Reader Mode  Back-lit Keyboard  Yes  Back-lit Keyboard  Yes  Fingerprint ID  Yes  Webcam Resolution  MIL-STD 810G  Thunderbolt™ 4  PROCESSOR  Processor (Base/Turbo Clock)  MEMORY  System Memory  16GB LPDDR4X 4266MHz -16GB (On Board)  HARD DRIVE  Type  M.2 2280 SSD (Solid State Drive)  Interface  NVMe™  Capacity  Canacity  S12GB (512GB x 1)  CONNECTIVITY  Wireless  Intel® Wi-Fi 6, 2x2, BT Combo)  Bluetooth  Bluetooth  Bluetooth  DISPLAY  Screen Size  14.0"  Display Type  Resolution  WUXGA (1920 x 1200)  DCI-P3 99% (Typical, min 95%)	FEATURES	
Back-lit Keyboard  DTS X:Ultra  Fingerprint ID  Webcam Resolution  MIL-STD 810G  Thunderbolt™ 4  PROCESSOR  Processor (Base/Turbo Clock)  MEMORY  System Memory  16GB LPDDR4X 4266MHz -16GB (On Board)  HARD DRIVE  Type  M.2 2280 SSD (Solid State Drive)  Interface  NVMe™  Capacity  Capacity  S12GB (512GB x 1)  CONNECTIVITY  Wireless  Intel® Wi-Fi 6, 2x2, BT Combo)  Bluetooth  Bluetooth  Bluetooth  DISPLAY  Screen Size  14.0"  Display Type  Resolution  WUXGA (1920 x 1200)  Color gamut  PWES  Prose  Mebcam  Yes  14D Webcam  HD Webcam  HD Webcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Fores  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB)  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB  Nebcam  16-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3  Cache 12MB	Operating System	Windows 10 Home (64bit)
Fingerprint ID  Yes  Fingerprint ID  Webcam Resolution  MIL-STD 810G  Thunderbolt™ 4  Yes  PROCESSOR  Processor (Base/Turbo Clock)  MEMORY  System Memory  16GB LPDDR4X 4266MHz -16GB (On Board)  HARD DRIVE  Type  M.2 2280 SSD (Solid State Drive)  Interface  NVMe™  Capacity  Capacity  S12GB (512GB x 1)  CONNECTIVITY  Wireless  Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth  Bluetooth  Bluetooth  DISPLAY  Screen Size  14.0"  Display Type  Resolution  WUXGA (1920 x 1200)  Color gamut  PYes  Yes  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  Mex 228 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  Nes SHz, L3 Cache 12MB)  Fig. 1166B LPDDR4X 4266MHz -16GB (On Board)  Fig. 16GB LPDR4X 4266MHz -16GB (On Board)	Reader Mode	Yes
Fingerprint ID  Webcam Resolution  MIL-STD 810G  Yes  Thunderbolt™ 4  PROCESSOR  Processor (Base/Turbo Clock)  MEMORY  System Memory  16GB LPDDR4X 4266MHz -16GB (On Board)  HARD DRIVE  Type  M.2 2280 SSD (Solid State Drive)  Interface  NVMe™  Capacity  512GB (512GB x 1)  CONNECTIVITY  Wireless  Intel® Wi-Fi 6 AX201 (Wi-Fi 6 , 2x2, BT Combo)  Bluetooth  Bluetooth  DISPLAY  Screen Size  14.0"  Display Type  Resolution  WUXGA (1920 x 1200)  Color gamut  MD Wes  Yes  Yes  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  17-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  18-1166G (1.9 GHz, L3 Cache 12M	Back-lit Keyboard	Yes
Webcam Resolution HD Webcam  MIL-STD 810G Yes  Thunderbolt™ 4 Yes  PROCESSOR  Processor (Base/Turbo Clock) i7-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  MEMORY  System Memory 16GB LPDDR4X 4266MHz - 16GB (On Board)  HARD DRIVE  Type M.2 2280 SSD (Solid State Drive)  Interface NVMe™  Capacity 512GB (512GB x 1)  CONNECTIVITY  Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DCIP3 99% (Typical, min 95%)	DTS X:Ultra	Yes
MIL-STD 810G Thunderbolt™ 4 Yes  PROCESSOR  Processor (Base/Turbo Clock)  MEMORY  System Memory  16GB LPDDR4X 4266MHz -16GB (On Board)  HARD DRIVE  Type M.2 2280 SSD (Solid State Drive)  Interface NVMe™  Capacity  Capacity  Tyee  Mireless  Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth Bluetooth Bluetooth Bluetooth 5.1  DISPLAY  Screen Size  14.0"  Display Type  Resolution  WUXGA (1920 x 1200)  Color gamut  PYes  Irrels G ASSON  VES  VES  VES  VES  VES  VES  VES  VE	Fingerprint ID	Yes
Thunderbolt™ 4 Yes  PROCESSOR  Processor (Base/Turbo Clock) i7-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  MEMORY  System Memory 16GB LPDDR4X 4266MHz - 16GB (On Board)  HARD DRIVE  Type M.2 2280 SSD (Solid State Drive)  Interface NVMe™  Capacity 512GB (512GB x 1)  CONNECTIVITY  Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DEAT GARD AT GET A GE	Webcam Resolution	HD Webcam
PROCESSOR  Processor (Base/Turbo Clock)  i7-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  MEMORY  System Memory  16GB LPDDR4X 4266MHz - 16GB (On Board)  HARD DRIVE  Type  M.2 2280 SSD (Solid State Drive)  Interface  NVMe <sup>TM</sup> Capacity  512GB (512GB x 1)  CONNECTIVITY  Wireless  Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth  Bluetooth 5.1  DISPLAY  Screen Size  14.0"  Display Type  Resolution  WUXGA (1920 x 1200)  Color gamut  DCI-P3 99% (Typical, min 95%)	MIL-STD 810G	Yes
Processor (Base/Turbo Clock)  i7-1165G7 (2.8 GHz, Turbo up to 4.7 GHz, L3 Cache 12MB)  MEMORY  System Memory  16GB LPDDR4X 4266MHz -16GB (On Board)  HARD DRIVE  Type  M.2 2280 SSD (Solid State Drive)  Interface  NVMe™  Capacity  512GB (512GB x 1)  CONNECTIVITY  Wireless  Intel® Wi-Fi 6 AX201 (Wi-Fi 6 AX201 (Wi-Fi 6 , 2x2, BT Combo)  Bluetooth  Bluetooth 5.1  DISPLAY  Screen Size  14.0"  Display Type  IPS LCD  Resolution  WUXGA (1920 x 1200)  Color gamut  DCI-P3 99% (Typical, min 95%)	Thunderbolt™ 4	Yes
MEMORY  System Memory 16GB LPDDR4X 4266MHz -16GB (On Board)  HARD DRIVE  Type M.2 2280 SSD (Solid State Drive)  Interface NVMe <sup>™</sup> Capacity 512GB (512GB x 1)  CONNECTIVITY  Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DICCIP3 99% (Typical, min 95%)	PROCESSOR	
System Memory  In 16GB LPDDR4X 4266MHz - 16GB (On Board)  HARD DRIVE  Type  M.2 2280 SSD (Solid State Drive)  Interface  NVMe <sup>TM</sup> Capacity  512GB (512GB x 1)  CONNECTIVITY  Wireless  Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth  Bluetooth 5.1  DISPLAY  Screen Size  14.0"  Display Type  IPS LCD  Resolution  WUXGA (1920 x 1200)  Color gamut  16GB LPDDR4X 4266MHz - 16GB N	Processor (Base/Turbo Clock)	
HARD DRIVE  Type M.2 2280 SSD (Solid State Drive) Interface NVMe <sup>™</sup> Capacity 512GB (512GB x 1)  CONNECTIVITY  Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DELAY	MEMORY	
Type M.2 2280 SSD (Solid State Drive) Interface NVMe <sup>™</sup> Capacity 512GB (512GB x 1)  CONNECTIVITY  Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6 , 2x2, BT Combo)  Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DISP() STORE SIZE (Tolor)	System Memory	
Interface NVMe <sup>™</sup> Capacity 512GB (512GB x 1)  CONNECTIVITY  Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DCI-P3 99% (Typical, min 95%)	HARD DRIVE	
Capacity 512GB (512GB x 1)  CONNECTIVITY  Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut 512GB x 1)	Туре	M.2 2280 SSD (Solid State Drive)
CONNECTIVITY  Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DCI-P3 99% (Typical, min 95%)	Interface	NVMe™
Wireless Intel® Wi-Fi 6 AX201 (Wi-Fi 6, 2x2, BT Combo)  Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DICI-P3 99% (Typical, min 95%)	Capacity	512GB (512GB x 1)
Bluetooth Bluetooth 5.1  DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut (Wi-Fi 6 , 2x2, BT Combo)  Bluetooth 5.1  14.0"  WUXGA (1920 x 1200)  DCI-P3 99% (Typical, min 95%)	CONNECTIVITY	
DISPLAY  Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DCI-P3 99% (Typical, min 95%)	Wireless	
Screen Size 14.0"  Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DCI-P3 99% (Typical, min 95%)	Bluetooth	Bluetooth 5.1
Display Type IPS LCD  Resolution WUXGA (1920 x 1200)  Color gamut DCI-P3 99% (Typical, min 95%)	DISPLAY	
Resolution WUXGA (1920 x 1200) Color gamut DCI-P3 99% (Typical, min 95%)	Screen Size	14.0"
Color gamut DCI-P3 99% (Typical, min 95%)	Display Type	IPS LCD
	Resolution	WUXGA (1920 x 1200)
Graphics Intel® Iris® Xe Graphics	Color gamut	DCI-P3 99% (Typical, min 95%)
·	Graphics	Intel® Iris® Xe Graphics



AUDIO	
Speakers	Stereo Speaker 2.0W x 2 Max 5W (Smart Amp)
PORTS AND CONNECTIONS	
HDMI (Standard)	Yes
USB-C	Yes (2) - USB 4.0 Gen 3x2
USB-A	Yes (2) - USB 3.2 Gen 2x1
UFS/Micro-SD	Yes
Headphone Out	Yes
DC-In	Yes (via USB-C)
BATTERY / POWER	
Battery	72 Wh
Battery Cell Type	4 cell lithium ion
Battery Weight (in grams)	270 g
Lithium Battery Energy Content (in Watt Hours)	72Wh
Lithium Battery Voltage	7.7 V
Average Battery Life (in hours) MobileMark® 2014	up to 25.5 hrs*
MATERIAL (BODY)	
Material	Magnesium Alloy
DIMENSIONS / WEIGHT	
Dimensions (WxHxD)	12.34 x 8.47 x 0.66 inches
Shipping Dimensions (WxHxD)	16.77 x 10.31 x 2.36 inches
Weight	2.2 lbs (999g)
Shipping Weight	3.8 lbs
WARRANTY / UPC	
Limited Warranty	1 year parts and labor
	105171005150
UPC	195174005453

\*MobileMark® 2014 standard (MobileMark is a trademark of the Business Applications Performance Corporation). Performance level is utilized for comparison purposes only, and does not necessarily reflect the battery life that will be achieved. Actual battery life will vary from specifications depending on model, setup configuration, applications used, features utilized and power management settings. (Measurement Condition: 50% at 150nit Brightness/ Wireless On / Document work (Adobe, Excel, Word, PPT, Outlook etc.) & 50% in standby mode. Maximum capacity of the battery will naturally decrease with time and usage.)