

ASUS ROG Flow Z13 GZ301ZE-LC170W notebook Hybrid (2-in-1) 34 cm (13.4") Touchscreen WQUXGA Intel® Core™ i9 16 GB LPDDR5-SDRAM 1000 GB SSD NVIDIA GeForce RTX 3050 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: ROG

Product code: GZ301ZE-LC170W

Product name : GZ301ZE-LC170W



- Windows 11 Home 64-bit
 - Intel Core i9-12900H (24MB Cache, 2.5GHz)
 - 34.0 cm (13.4") WQUXGA 3840 x 2400 IPS Touch, NVIDIA GeForce RTX 3050 Ti (4GB GDDR6)
 - 16GB LPDDR5-SDRAM (2 x 8) & 1000GB SSD
 Intel Core i9-12900H (24MB Cache, 2.5GHz), 16GB LPDDR5-SDRAM, 1000GB SSD, 34.0 cm (13.4") WQUXGA 3840 x 2400 IPS Touch, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3050 Ti (4GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit
 ASUS ROG Flow Z13 GZ301ZE-LC170W. Product type: Hybrid (2-in-1), Form factor: Convertible (Detachable). Processor family: Intel® Core™ i9, Processor model: i9-12900H, Processor frequency: 2.5 GHz. Display diagonal: 34 cm (13.4"), HD type: WQUXGA, Display resolution: 3840 x 2400 pixels, Touchscreen. Internal memory: 16 GB, Internal memory type: LPDDR5-SDRAM. Total storage capacity: 1000 GB, Storage media: SSD. Operating system installed: Windows 11 Home. Product colour: Black



Design		Camera	
Colour name	Black	Rear camera	✓
Product type *	Hybrid (2-in-1)	Rear camera resolution (numeric)	8 MP
Product colour *	Black	Network	
Form factor *	Convertible (Detachable)	Bluetooth	✓
Market positioning	Gaming	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Model year	2022	Wi-Fi standards	802.11a,802.11g,Wi-Fi 5 (802.11ac),Wi-Fi 6E (802.11ax),802.11b,Wi-Fi 4 (802.11n),Wi-Fi 6 (802.11ax)
Display		Mobile network connection *	✗
Display diagonal *	34 cm (13.4")	Antenna type	2x2
Display resolution *	3840 x 2400 pixels	Ethernet LAN	✗
Touchscreen *	✓	Bluetooth version	5.2
HD type	WQUXGA	Ports & interfaces	
Panel type	IPS	USB 2.0 ports quantity *	1
LED backlight	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Native aspect ratio	16:10	Thunderbolt 4 ports quantity	1
Display surface	Gloss	Intel® Thunderbolt 4	✓
RGB colour space	DCI-P3	Combo headphone/mic port	✓
Colour gamut	85%	Charging port type	USB Type-C
Maximum refresh rate	60 Hz	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) supported	✓	USB Power Delivery	✓
High Dynamic Range (HDR) technology	Dolby Vision	ROG XG Mobile port	✓
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor generation	12th gen Intel® Core™ i9	Numeric keypad *	✗
Processor model *	i9-12900H	Keyboard backlit	✓
Processor frequency *	2.5 GHz		
Processor boost frequency	5 GHz		
Processor family *	Intel® Core™ i9		

Processor		Keyboard	
Processor cores	14	Keyboard backlit colour	RGB
Processor cache	24 MB	Software	
Configurable TDP-down	35 W	Operating system architecture	64-bit
Memory		Operating system installed *	Windows 11 Home
Internal memory *	16 GB	Processor special features	
Internal memory type	LPDDR5-SDRAM	Intel Flex Memory Access	✓
Memory form factor	On-board	Intel Trusted Execution Technology	✓
Memory layout (slots x size)	2 x 8 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1000 GB	CPU configuration (max)	1
Storage media *	SSD	Embedded options available	✗
Total SSDs capacity	1000 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Virtualization Technology (VT-x)	✓
SSD capacity	1000 GB	Battery	
SSD interface	NVMe,PCI Express 4.0	Battery technology	Lithium-Ion (Li-Ion)
SSD form factor	M.2	Number of battery cells	4
Optical drive type *	✗	Battery capacity (Watt-hours) *	56 Wh
Card reader integrated	✓	Power	
Compatible memory cards	MicroSD (TransFlash)	AC adapter power	100 W
Graphics		AC adapter frequency	50 - 60 Hz
Discrete GPU manufacturer	NVIDIA	AC adapter input voltage	100 - 240 V
Discrete graphics card model *	NVIDIA GeForce RTX 3050 Ti	AC adapter output current	5 A
On-board graphics card *	✓	AC adapter output voltage	20 V
Discrete graphics card *	✓	Security	
On-board graphics card model *	Intel Iris Xe Graphics	Fingerprint reader	✓
Discrete graphics card memory	4 GB	Trusted Platform Module (TPM)	✓
Discrete graphics memory type	GDDR6	Password protection	✓
NVIDIA G-SYNC	✓	Password protection type	BIOS, User
Audio		Weight & dimensions	
Audio system	Dolby Atmos	Width	302 mm
Number of built-in speakers	2	Depth	204 mm
Built-in microphone	✓	Height	12 mm
Number of microphones	3	Weight *	1.18 kg
Camera			
Front camera	✓		
Front camera HD type	HD		

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