

ASUS ROG Flow Z13 GZ301ZE-LC218W Intel® Core™ i9 i9-12900H Hybrid (2-in-1) 34 cm (13.4") Touchscreen WQUXGA 16 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3050 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: ROG

Product code: 90NR07X1-M00EN0



Product name : GZ301ZE-LC218W

- Windows 11 Home 64-bit
 - Intel Core i9-12900H (24MB Cache)
 - 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), 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-LC218W. Product type: Hybrid (2-in-1), Form factor: Convertible (Detachable). Processor family: Intel® Core™ i9, Processor model: i9-12900H. 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Home. Product colour: Black



Design		Network	
Colour name	Black	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product type *	Hybrid (2-in-1)	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product colour *	Black	Mobile network connection *	✗
Form factor *	Convertible (Detachable)	Antenna type	2x2
Market positioning	Gaming	Ethernet LAN	✗
Introduction year	2022	Bluetooth	✓
Country of origin	China	Bluetooth version	5.2
Display		Ports & interfaces	
Touchscreen type	Capacitive	USB 2.0 ports quantity *	1
Display diagonal *	34 cm (13.4")	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display resolution *	3840 x 2400 pixels	Thunderbolt 4 ports quantity	1
Touchscreen *	✓	Intel® Thunderbolt 4	✓
HD type	WQUXGA	Combo headphone/mic port	✓
Panel type	IPS	USB Type-C DisplayPort Alternate Mode	✓
Native aspect ratio	16:10	USB Power Delivery	✓
Display surface	Gloss	Keyboard	
Display brightness	500 cd/m ²	Pointing device	Touchpad
RGB colour space	DCI-P3	Numeric keypad *	✗
Colour gamut	85%	Keyboard backlit	✓
Display response rise/fall	30 ms	Keyboard backlit colour	RGB
Maximum refresh rate	60 Hz	Software	
Contrast ratio (typical)	1000:1	Operating system architecture	64-bit
Processor		Operating system installed *	Windows 11 Home
Processor manufacturer *	Intel	Processor special features	
Processor family *	Intel® Core™ i9	Intel Flex Memory Access	✓
Processor generation	12th gen Intel® Core™ i9	Intel Trusted Execution Technology	✓
Processor model *	i9-12900H		
Processor cores	14		

Processor		Processor special features	
Processor cache	24 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-down	35 W	Intel Stable Image Platform Program (SIPP)	✓
Memory		Execute Disable Bit	✓
Internal memory *	16 GB	CPU configuration (max)	1
Internal memory type	LPDDR5-SDRAM	Embedded options available	✗
Memory form factor	On-board	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory *	16 GB	Intel Virtualization Technology (VT-x)	✓
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	1 TB	Battery capacity *	56 Wh
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	100 W
SSD interface	NVMe, PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	5 A
Optical drive type *	✗	AC adapter output voltage	20 V
Card reader integrated	✓	Security	
Compatible memory cards	MicroSD (TransFlash)	Fingerprint reader	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 3050 Ti	Password protection type	BIOS, User
Discrete graphics card memory	4 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	302 mm
On-board graphics card *	✓	Depth	204 mm
On-board GPU manufacturer	Intel	Height	12 mm
Discrete graphics card *	✓	Weight *	1.18 kg
On-board graphics card model *	Intel Iris Xe Graphics	Packaging data	
NVIDIA G-SYNC	✓	Package width	366 mm
Audio		Package depth	568 mm
Audio system	Dolby Atmos	Package height	186 mm
Number of built-in speakers	2	Package weight	6.13 kg
Built-in microphone	✓	Logistics data	
Number of microphones	3	Harmonized System (HS) code	84713000
Camera		Commodity Classification	
Front camera	✓	Automated Tracking System (CCATS)	8471300000
Front camera HD type	HD		
Rear camera	✓		
Rear camera resolution (numeric)	8 MP		



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