ASUS

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
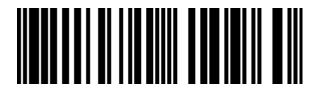
Design		Network	
Colour name	Black	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product type *	Hybrid (2-in-1)	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product colour *	Black	Mobile network connection *	✘
Form factor *	Convertible (Detachable)	Antenna type	2x2
Market positioning	Gaming	Ethernet LAN	✘
Introduction 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		
Display brightness	500 cd/m²	**Keyboard**	
RGB colour space	DCI-P3		
Colour gamut	85%	Pointing device	Touchpad
Display response rise/fall	30 ms	Numeric keypad *	✘
Maximum refresh rate	60 Hz	Keyboard backlit	✔
Contrast ratio (typical)	1000:1	Keyboard backlit colour	RGB
Processor		**Software**	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i9	Operating system installed *	Windows 11 Home
Processor generation	12th gen Intel® Core™ i9	**Processor special features**	
Processor model *	i9-12900H		
Processor cores	14	Intel Flex Memory Access	✔
		Intel Trusted Execution Technology	✔

Processor

Processor cache	24 MB
Configurable TDP-down	35 W

Memory

Internal memory *	16 GB
Internal memory type	LPDDR5-SDRAM
Memory form factor	On-board
Maximum internal memory *	16 GB

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	NVMe, PCI Express 4.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3050 Ti
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card model *	Intel Iris Xe Graphics
NVIDIA G-SYNC	✓

Audio

Audio system	Dolby Atmos
Number of built-in speakers	2
Built-in microphone	✓
Number of microphones	3

Camera

Front camera	✓
Front camera HD type	HD
Rear camera	✓
Rear camera resolution (numeric)	8 MP

Processor special features

Intel VT-x with Extended Page Tables (EPT)	✓
Intel Stable Image Platform Program (SIPP)	✓
Execute Disable Bit	✓
CPU configuration (max)	1
Embedded options available	✗
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel Virtualization Technology (VT-x)	✓

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	56 Wh

Power

AC adapter power	100 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	5 A
AC adapter output voltage	20 V

Security

Fingerprint reader	✓
Trusted Platform Module (TPM)	✓
Password protection	✓
Password protection type	BIOS, User

Weight & dimensions

Width	302 mm
Depth	204 mm
Height	12 mm
Weight *	1.18 kg

Packaging data

Package width	366 mm
Package depth	568 mm
Package height	186 mm
Package weight	6.13 kg

Logistics data

Harmonized System (HS) code	84713000
Commodity Classification Automated Tracking System (CCATS)	8471300000

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