ASUS ROG Flow Z13 GZ301VV-MU009W Intel® Core™ i9 i9-13900H Hybrid (2-in-1) 34 cm (13.4") Touchscreen Quad HD+ 16 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: ROG

Product code: 90NR0BH1-M000W0

Product name : GZ301VV-MU009W

- Windows 11 Home 64-bit
- Intel Core i9-13900H (24MB Cache)
- 34.0 cm (13.4") Quad HD+ 2560 x 1600 IPS Touch, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 16GB LPDDR5-SDRAM (2 x 8) & 1000GB SSD

Intel Core i9-13900H (24MB Cache), 16GB LPDDR5-SDRAM, 1000GB SSD, 34.0 cm (13.4") Quad HD+ 2560 x 1600 IPS Touch, Intel Iris Xe Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Flow Z13 GZ301VV-MU009W. Product type: Hybrid (2-in-1), Form factor: Convertible (Detachable). Processor family: Intel® Core™ i9, Processor model: i9-13900H. Display diagonal: 34 cm (13.4"), HD type: Quad HD+, Display resolution: 2560 x 1600 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

Colour name	Black
Product type *	Hybrid (2-in-1)
Product colour *	Black
Form factor *	Convertible (Detachable)
Housing material	Aluminium
Market positioning	Gaming
Introduction year	2023

Display

Touchscreen type	Capacitive
Display diagonal *	34 cm (13.4")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✔
HD type	Quad HD+
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:10
Display surface	Gloss
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	165 Hz
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	Dolby Vision

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	13th gen Intel® Core™ i9
Processor model *	i9-13900H
Processor cores	14
Processor boost frequency	5.4 GHz
Efficient-core boost frequency	4.1 GHz
Processor cache	24 MB

Audio

Number of built-in speakers	2
Built-in microphone	✔
Number of microphones	3

Camera

Front camera	✔
Front camera resolution (numeric)	13 MP
Infrared (IR) camera	✔
Rear camera	✔
Rear camera resolution (numeric)	5 MP

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
Ethernet LAN	✘
Bluetooth	✔
Bluetooth version	5.2

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery	✔
ROG XG Mobile port	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘

Processor

Processor cache type	Smart Cache
Configurable TDP-down	35 W
Processor base power	45 W
Maximum turbo power	115 W

Memory

Internal memory *	16 GB
Internal memory type	LPDDR5-SDRAM
Memory form factor	On-board
Memory layout (slots x size)	2 x 8 GB
Maximum internal memory *	16 GB
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 *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4060
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card model *	Intel Iris Xe Graphics

Audio

Audio system	Dolby Atmos

Keyboard

Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard backlit zone	1-zone RGB

Software

Operating system architecture	64-bit
Trial software	1-month trial for new Microsoft 365 customers
Operating system installed *	Windows 11 Home

Processor special features

CPU configuration (max)	1

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	56 Wh
Fast charging	✔
Fast charging time (50%)	30 min

Power

AC adapter power	130 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	6.5 A
AC adapter output voltage	20 V

Security

Face recognition	✔
Windows Hello	✔
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	BIOS, User

Weight & dimensions

Width	302 mm
Depth	206 mm
Height (front)	1.29 cm
Height (rear)	1.42 cm
Weight *	1.18 kg

4711387107942