



ASUS ROG Flow Z13 GZ301VU-MU001W Intel® Core™ i9 i9-13900H Hybrid (2-in-1) 34 cm (13.4") Touchscreen WQXGA 16 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: ROG

Product code: 90NR0DP1-M00050

Product name : GZ301VU-MU001W



- Windows 11 Home 64-bit
 - Intel Core i9-13900H (24MB Cache)
 - 34.0 cm (13.4") WQXGA 2560 x 1600 IPS Touch, NVIDIA GeForce RTX 4050 (6GB 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") WQXGA 2560 x 1600 IPS Touch, Intel Iris Xe Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

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UNLIMITED ACCESS FOR GAMING TO YOUR HIGH-RELIABILITY PC GAMER



One Device. Infinite Play.

Reinvent Windows 11 Home gaming with the world's most powerful gaming tablet. Next-gen internals and a Nebula Display unlock a world of possibilities.



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	✗
Country of origin	China	Bluetooth	✓
		Bluetooth version	5.2
Display		Ports & interfaces	
Display diagonal *	34 cm (13.4")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Display resolution *	2560 x 1600 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Touchscreen *	✓	Thunderbolt 4 ports quantity	1
HD type	WQXGA	Intel® Thunderbolt 4	✓
Panel type	IPS	Combo headphone/mic port	✓
Native aspect ratio	16:10	Charging port type	USB Type-C
Display surface	Gloss	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	DCI-P3	USB Power Delivery	✓
Colour gamut	100%	ROG XG Mobile port	✓
Display response rise/fall	30 ms		
Maximum refresh rate	165 Hz	Keyboard	
High Dynamic Range (HDR) supported	✓	Pointing device	Touchpad
High Dynamic Range (HDR) technology	Dolby Vision	Numeric keypad *	✗
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Keyboard backlit colour	RGB
Processor family *	Intel® Core™ i9	Software	
Processor generation	13th gen Intel® Core™ i9	Operating system architecture	64-bit
Processor model *	i9-13900H	Operating system installed *	Windows 11 Home
Processor cores	14		
Processor boost frequency	5.4 GHz		

Processor		Processor special features	
Processor cache	24 MB	Intel Flex Memory Access	✓
Configurable TDP-down	35 W	Intel Trusted Execution Technology	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✓
Internal memory type	LPDDR5-SDRAM	Execute Disable Bit	✓
Memory form factor	On-board	CPU configuration (max)	1
Maximum internal memory *	16 GB	Embedded options available	✗
Memory channels	Dual-channel	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage		Intel Virtualization Technology (VT-x)	✓
Total storage capacity *	1 TB	Battery	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	1 TB	Number of battery cells	4
Number of SSDs installed	1	Battery capacity *	56 Wh
SSD capacity	1 TB	Power	
SSD interface	PCI Express 4.0	AC adapter power	130 W
NVMe	✓	AC adapter frequency	50 - 60 Hz
SSD form factor	M.2	AC adapter input voltage	100 - 240 V
Optical drive type *	✗	AC adapter output current	6.5 A
Card reader integrated	✓	AC adapter output voltage	20 V
Compatible memory cards	MicroSD (TransFlash)	Security	
Graphics		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Password protection type	BIOS, User
Discrete graphics card memory	6 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	302 mm
On-board graphics card *	✓	Depth	206 mm
On-board GPU manufacturer	Intel	Height (front)	1.29 cm
Discrete graphics card *	✓	Height (rear)	1.42 cm
On-board graphics card model *	Intel Iris Xe Graphics	Weight *	1.18 kg
Audio		Packaging data	
Audio system	Dolby Atmos	Package width	95 mm
Number of built-in speakers	2	Package depth	486 mm
Built-in microphone	✓	Package height	277 mm
Number of microphones	3	Package weight	3.47 kg
Camera		Logistics data	
Front camera	✓	Commodity Classification	
Front camera resolution (numeric)	13 MP	Automated Tracking System (CCATS)	8471300000
Infrared (IR) camera	✓		
Rear camera	✓		
Rear camera resolution (numeric)	5 MP		



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