ASUS ROG Flow X13 GV302XU-MU010W AMD Ryzen™ 9 7940HS 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: 90NR0EI1-M000K0

Product name : GV302XU-MU010W

- AMD Ryzen 9 7940HS CPU
- an NVIDIA GeForce RTX 40500 Laptop GPU with NVIDIA Advanced Optimus and DLSS 3
- 13.4 inch QHD, 165Hz Nebula Display at 500 nits, both 16:10 and touchscreen displays
- 75Wh battery and USB Type-C charging
- liquid metal thermal compound on the CPU
- Full support for the XG Mobile ecosystem, featuring up to an NVIDIA® GeForce RTX 4090 Laptop GPU
AMD Ryzen 9 7940HS (16MB Cache, 4GHz), 16GB LPDDR5-SDRAM, 1000GB SSD, 34.0 cm (13.4")
WQXGA 2560 x 1600 IPS Touch, AMD Radeon 780M, NVIDIA GeForce RTX 4050 (6GB GDDR6), WLAN,
Webcam, Windows 11 Home 64-bit

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Touchscreen WQXGA 16 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax)
Windows 11 Home Black:

Game anywhere with the power and portability of the 2023 ROG Flow X13. Game your way with four
distinct modes thanks to the fully convertible design. Powered by the latest AMD Ryzen 9 7940HS CPU
and NVIDIA GeForce RTX 4050 Laptop GPU, the X13 offers immersive gaming experiences with QHD
165Hz Nebula Display.

Design

Colour name	Off Black
Product type *	Hybrid (2-in-1)
Product colour *	Black
Form factor *	Convertible (Folder)
Market positioning	Gaming
Introduction year	2023

Display

Display diagonal *	34 cm (13.4")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✓
HD type	WQXGA
Panel type	IPS
LED backlight	✓
Native aspect ratio	16:10
Display surface	Gloss
Display brightness	500 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Display response rise/fall	3 ms
Maximum refresh rate	165 Hz
High Dynamic Range (HDR) supported	✓
High Dynamic Range (HDR) technology	Dolby Vision

Processor

Processor manufacturer *	AMD
Processor family *	AMD Ryzen™ 9
Processor model *	7940HS
Processor cores	8
Processor boost frequency	5.2 GHz

Audio

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

Camera

Front camera	✓
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Infrared (IR) camera	✓

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	5.3

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
USB4 Gen 2x2 ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✓
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✓
USB Power Delivery	✓

Processor

Processor frequency *	4 GHz
Processor cache	16 MB
Processor cache type	L3

Memory

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

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4050
Discrete graphics card memory	6 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	AMD
Discrete graphics card *	✔
On-board graphics card model *	AMD Radeon 780M
NVIDIA G-SYNC	✔

Audio

Audio system	Dolby Atmos

Ports & interfaces

ROG XG Mobile port	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘
Keyboard backlit	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	75 Wh

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

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

Sustainability

Sustainability compliance	✔
Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	299 mm
Depth	212 mm
Height (front)	1.67 cm
Height (rear)	1.87 cm
Weight *	1.3 kg

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