



# ASUS ROG Strix G16 G614JV-N3075W Intel® Core™ i7 i7-13650HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey



**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0C61-M00600

**Product name :** G614JV-N3075W

- Windows 11 Home 64-bit  
 - Intel Core i7-13650HX (24MB Cache)  
 - 40.6 cm (16") WUXGA 1920 x 1200 IPS, NVIDIA GeForce RTX 4060 (8GB GDDR6)  
 - 16GB (4800MHz) DDR5-SDRAM (1 x 16) & 512GB SSD  
 Intel Core i7-13650HX (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit  
 ASUS ROG Strix G16 G614JV-N3075W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13650HX, Processor frequency: 2.6 GHz. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Home. Product colour: Black, Grey

Design		Audio	
Colour name	Eclipse Gray	Built-in microphone	✓
Product type *	Laptop	Camera	
Product colour *	Black, Grey	Front camera	✓
Form factor *	Clamshell	Front camera resolution	1280 x 720 pixels
Housing material	Aluminium	Front camera HD type	HD
Market positioning	Gaming	Network	
Introduction year	2023	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display		Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display diagonal *	40.6 cm (16")	Mobile network connection *	✗
Display resolution *	1920 x 1200 pixels	Antenna type	2x2
Touchscreen *	✗	Ethernet LAN	✓
HD type	WUXGA	Ethernet LAN data rates	10,100,1000 Mbit/s
Panel type	IPS	Bluetooth	✓
LED backlight	✓	Bluetooth version	5.2
Native aspect ratio	16:10	Ports & interfaces	
Anti-glare screen	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Display brightness	250 cd/m <sup>2</sup>	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
RGB colour space	DCI-P3	Ethernet LAN (RJ-45) ports	1
Colour gamut	100%	HDMI ports quantity *	1
Display response rise/fall	7 ms	HDMI version	2.1
Maximum refresh rate	165 Hz	Thunderbolt 4 ports quantity	1
Contrast ratio (typical)	1000:1	Intel® Thunderbolt 4	✓
High Dynamic Range (HDR) supported	✓	Combo headphone/mic port	✓
High Dynamic Range (HDR) technology	Dolby Vision	Charging port type	DC-in jack
Processor		Power adapter barrel connector	6.0 mm
Processor manufacturer *	Intel	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	Intel® Core™ i7	USB Power Delivery	✓
Processor generation	13th gen Intel® Core™ i7	Keyboard	
Processor model *	i7-13650HX	Pointing device	Touchpad
Processor cores	14	Keyboard layout	AZERTY
Processor boost frequency	4.9 GHz		

<b>Processor</b>		<b>Keyboard</b>	
Processor frequency *	2.6 GHz	Keyboard language	Belgian
Efficient-core boost frequency	3.6 GHz	Numeric keypad *	✗
Processor cache	24 MB	Keyboard backlit	✓
Processor cache type	Smart Cache	Keyboard backlit colour	RGB
Bus type	DMI4	Keyboard backlit zone	4-zone RGB
Configurable TDP-down	45 W	Island-style keyboard	✓
Processor base power	55 W	<b>Software</b>	
Maximum turbo power	157 W	Operating system architecture	64-bit
<b>Memory</b>		Operating system installed *	Windows 11 Home
Internal memory *	16 GB	<b>Processor special features</b>	
Internal memory type	DDR5-SDRAM	Intel Flex Memory Access	✓
Memory clock speed	4800 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory form factor	SO-DIMM	CPU configuration (max)	1
Memory layout (slots x size)	1 x 16 GB	Embedded options available	✗
Memory slots	2x SO-DIMM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory *	32 GB	Intel Virtualization Technology (VT-x)	✓
Memory channels	Dual-channel	<b>Battery</b>	
<b>Storage</b>		Battery technology	Lithium-Ion (Li-Ion)
Total storage capacity *	512 GB	Number of battery cells	4
Storage media *	SSD	Battery capacity *	90 Wh
Total SSDs capacity	512 GB	<b>Power</b>	
Number of SSDs installed	1	AC adapter power	280 W
SSD capacity	512 GB	AC adapter frequency	50 - 60 Hz
SSD interface	PCI Express 4.0	AC adapter input voltage	100 - 240 V
NVMe	✓	AC adapter output current	14 A
SSD form factor	M.2	AC adapter output voltage	20 V
Optical drive type *	✗	<b>Security</b>	
Card reader integrated	✗	Trusted Platform Module (TPM)	✓
<b>Graphics</b>		Password protection	✓
Discrete GPU manufacturer	NVIDIA	Password protection type	BIOS, User
Discrete graphics card model *	NVIDIA GeForce RTX 4060	<b>Sustainability</b>	
Discrete graphics card memory	8 GB	Sustainability compliance	✓
Discrete graphics memory type	GDDR6	Sustainability certificates	ENERGY STAR
On-board graphics card *	✓	<b>Weight &amp; dimensions</b>	
On-board GPU manufacturer	Intel	Width	354 mm
Discrete graphics card *	✓	Depth	264 mm
On-board graphics card model *	Intel® UHD Graphics	Height (front)	2.26 cm
NVIDIA G-SYNC	✓	Height (rear)	3.04 cm
<b>Audio</b>		Weight *	2.5 kg
Audio system	Dolby Atmos		
Number of built-in speakers	2		



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