



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

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



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