



# ASUS ROG Strix G16 G614JU-N3147W Intel® Core™ i5 i5-13450HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0CC1-M00790

Product name : G614JU-N3147W



- Windows 11 Home 64-bit  
 - Intel Core i5-13450HX (20MB Cache)  
 - 40.6 cm (16") WUXGA 1920 x 1200 IPS, NVIDIA GeForce RTX 4050 (6GB GDDR6)  
 - 16GB (4800MHz) DDR5-SDRAM & 512GB SSD  
 Intel Core i5-13450HX (20MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit  
 ASUS ROG Strix G16 G614JU-N3147W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-13450HX. 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, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product colour: Grey

Design		Audio	
Colour name	Eclipse Grey	Built-in microphone	✓
Product type *	Laptop	Camera	
Product colour *	Grey	Front camera	✓
Form factor *	Clamshell	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	10,100,1000,2500 Mbit/s
Panel type	IPS	Bluetooth	✓
LED backlight	✓	Bluetooth version	5.3
Native aspect ratio	16:10	Ports & interfaces	
Anti-glare screen	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
RGB colour space	sRGB	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Colour gamut	100%	Ethernet LAN (RJ-45) ports	1
Maximum refresh rate	165 Hz	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	Intel	Thunderbolt 4 ports quantity	1
Processor family *	Intel® Core™ i5	Intel® Thunderbolt 4	✓
Processor generation	13th gen Intel® Core™ i5	Combo headphone/mic port	✓
Processor model *	i5-13450HX	Power adapter barrel connector	6.0 mm
Processor cores	10	USB Type-C DisplayPort Alternate Mode	✓
Performance cores	6	USB Power Delivery	✓
Efficient cores	4		
Performance-core Max Turbo Frequency	4.6 GHz		

<b>Processor</b>		<b>Keyboard</b>	
Efficient-core Max Turbo Frequency	3.4 GHz	Pointing device	Touchpad
Performance-core boost frequency	4.6 GHz	Numeric keypad *	✗
Processor cache	20 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	<b>Software</b>	
Processor base power	55 W	Operating system architecture	64-bit
Maximum turbo power	157 W	Trial software	1-month trial for new Microsoft 365 customers
<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 slots	2x SO-DIMM	Embedded options available	✗
Maximum internal memory *	32 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
<b>Storage</b>		Intel Virtualization Technology (VT-x)	✓
Total storage capacity *	512 GB	<b>Battery</b>	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	512 GB	Number of battery cells	4
Number of SSDs installed	1	Battery capacity *	90 Wh
SSD capacity	512 GB	<b>Power</b>	
SSD interface	PCI Express 4.0	AC adapter power	280 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	14 A
<b>Graphics</b>		AC adapter output voltage	20 V
Discrete GPU manufacturer	NVIDIA	<b>Security</b>	
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	6 GB	Password protection	✓
Discrete graphics memory type	GDDR6	Password protection type	BIOS, User
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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