



ASUS ROG Strix G16 G614JZ-N3007W Intel® Core™ i7 i7-13650HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey



Brand : ASUS

Product family: ROG

Product code: 90NR0CZ1-M00190

Product name : G614JZ-N3007W

- Windows 11 Home 64-bit
 - Intel Core i7-13650HX (24MB Cache)
 - 40.6 cm (16") WUXGA 1920 x 1200 IPS, NVIDIA GeForce RTX 4080 (12GB GDDR6)
 - 16GB (4800MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD
 Intel Core i7-13650HX (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
 ASUS ROG Strix G16 G614JZ-N3007W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13650HX. 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4080. Operating system installed: Windows 11 Home. Product colour: Black, Grey

Design		Network	
Colour name	Eclipse Gray	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product type *	Laptop	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product colour *	Black, Grey	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Market positioning	Gaming	Ethernet LAN	✓
Introduction year	2023	Ethernet LAN data rates	10,100,1000 Mbit/s
Country of origin	China	Bluetooth	✓
Display		Bluetooth version	5.3
Display diagonal *	40.6 cm (16")	Ports & interfaces	
Display resolution *	1920 x 1200 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Touchscreen *	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HD type	WUXGA	Ethernet LAN (RJ-45) ports	1
Panel type	IPS	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.1
Anti-glare screen	✓	Thunderbolt 4 ports quantity	1
RGB colour space	sRGB	Intel® Thunderbolt 4	✓
Colour gamut	100%	Combo headphone/mic port	✓
Display response rise/fall	7 ms	Charging port type	DC-in jack
Maximum refresh rate	165 Hz	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) supported	✓	USB Power Delivery	✓
High Dynamic Range (HDR) technology	Dolby Vision	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	Intel	Numeric keypad *	✗
Processor family *	Intel® Core™ i7	Keyboard backlit	✓
Processor generation	13th gen Intel® Core™ i7	Keyboard backlit colour	RGB
Processor model *	i7-13650HX	Keyboard backlit zone	4-zone RGB
Processor cores	14	Software	
Processor boost frequency	4.9 GHz	Operating system architecture	64-bit
Processor cache	24 MB	Operating system installed *	Windows 11 Home
Bus type	DMI4		
Configurable TDP-down	45 W		

Memory		Processor special features	
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)	2 x 8 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		
Memory channels	Dual-channel		
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	1 TB	Battery capacity *	90 Wh
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	330 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	16.5 A
Optical drive type *	✗	AC adapter output voltage	20 V
Card reader integrated	✗	Security	
Graphics		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Password protection type	BIOS, User
Discrete graphics card memory	12 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	354 mm
On-board graphics card *	✓	Depth	264 mm
On-board GPU manufacturer	Intel	Height (front)	2.26 cm
Discrete graphics card *	✓	Height (rear)	3.04 cm
On-board graphics card model *	Intel® UHD Graphics	Weight *	2.5 kg
NVIDIA G-SYNC	✓	Packaging data	
Audio		Package width	106 mm
Audio system	Dolby Atmos	Package depth	335 mm
Number of built-in speakers	2	Package height	420 mm
Built-in microphone	✓	Package weight	2.86 kg
Camera		Logistics data	
Front camera	✓	Commodity Classification	
Front camera HD type	HD	Automated Tracking System (CCATS)	8471300000



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