ASUS

ASUS ROG Strix G18 G814JV-DR5185W Intel® Core™ i7 i7-13650HX Laptop 45,7 cm (18") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey

Brand : ASUS

Product family: ROG

Article code: 90NR0CM1-M00CE0

Product name : G814JV-DR5185W

ASUS ROG Strix G18 G814JV-DR5185W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13650HX. Display diagonal: 45,7 cm (18"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 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 4050. Operating system installed: Windows 11 Home. Product color: Black, Grey
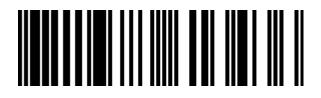
Design

Colour name	Eclipse Gray
Product type *	Laptop
Product colour *	Black, Grey
Form factor *	Clamshell
Market positioning	Gaming
Introduction year	2023

Display

Display diagonal *	45.7 cm (18")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Native aspect ratio	16:10
Anti-glare screen	✔
RGB colour space	sRGB
Colour gamut	100%
Maximum refresh rate	165 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13650HX
Processor cores	14
Processor threads	20
Processor boost frequency	4.9 GHz
Performance cores	6
Efficient cores	8
Performance-core Max Turbo Frequency	4.9 GHz

Graphics

On-board graphics card model *	Intel® UHD Graphics

Audio

Audio system	Smart Amp
Number of built-in speakers	2
Built-in microphone	✔

Camera

Front camera	✔
Front camera HD type	HD

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	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✔

Processor

Efficient-core Max Turbo Frequency	3.6 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	55 W
Maximum turbo power	157 W

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	4800 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	32 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 *	✘
Card reader integrated	✘

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4050
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel® UHD Graphics

Ports & interfaces

Combo headphone/mic port	✔
Charging port type	DC-in jack
USB Type-C DisplayPort Alternate Mode	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard backlit zone	4-zone RGB

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 *	90 Wh

Power

AC adapter power	280 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	14 A
AC adapter output voltage	20 V
USB Type-C charging port *	✔
USB Power Delivery (USB PD) *	✔

Security

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

Weight & dimensions

Width	399 mm
Depth	294 mm
Height (front)	2.31 cm
Height (rear)	3.08 cm
Weight *	3 kg

Packaging content

AC adapter included *	✔

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