ASUS

ASUS ROG Strix SCAR 18 G834JYR-R6019W/R Intel® Core™ i9 i9-14900HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4090 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: ROG

Product code: G834JYR-R6019W

Product name : G834JYR-R6019W/R

- Windows 11 Home 64-bit
- Intel Core i9-14900HX (36MB Cache)
- 45.7 cm (18") WQXGA 2560 x 1600 Mini LED, NVIDIA GeForce RTX 4090 (16GB GDDR6)
- 32GB (4800MHz) DDR5-SDRAM (2 x 16) & 2000GB SSD
Intel Core i9-14900HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 45.7 cm (18") WQXGA 2560 x 1600 Mini LED, Intel UHD Graphics, NVIDIA GeForce RTX 4090 (16GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix SCAR 18 G834JYR-R6019W/R Intel® Core™ i9 i9-14900HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4090 Wi-Fi 6E (802.11ax) Windows 11 Home Black:

Beat the best. Break all limits.
Dominate your games with the flagship pairing of an Intel® Core™ i9 Processor 14900HX and an NVIDIA® GeForce RTX™ 4090 Laptop GPU with a max TGP of 175W, as well as a dedicated MUX Switch and NVIDIA Advanced Optimus. With dazzling 18-inch Nebula HDR Display with Mini LED and over 2000 dimming zones, paired with full-surround vents wand Tri-Fan Technology, the 2024 ROG Strix SCAR 18 and SCAR 18 are here to take the gaming world by storm.

Design

Colour name	Off Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming

Display

Display diagonal *	45.7 cm (18")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	WQXGA
Panel type	Mini LED
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	1100 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Display response rise/fall	3 ms
Maximum refresh rate	240 Hz
High Dynamic Range (HDR) supported	✓
High Dynamic Range (HDR) technology	Dolby Vision

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	Intel® Core™ i9 (14th gen)
Processor model *	i9-14900HX
Processor cores	24
Processor boost frequency	5.8 GHz
Performance cores	8

Graphics

Discrete graphics memory type	GDDR6
On-board graphics card *	✓
Discrete graphics card *	✓
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics
NVIDIA G-SYNC	✓

Audio

Audio system	Dolby Atmos
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	10,100,1000,2500 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

Processor

Efficient cores	16
Performance-core Max Turbo Frequency	5.8 GHz
Efficient-core Max Turbo Frequency	4.1 GHz
Performance-core base frequency	2.2 GHz
Efficient-core base frequency	1.6 GHz
Processor cache	36 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 layout (slots x size)	2 x 16 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 GB
Memory channels	Dual-channel

Storage

Total storage capacity *	2 TB
Storage media *	SSD
Total SSDs capacity	2 TB
Number of SSDs installed	2
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 4090
Discrete graphics card memory	16 GB

Ports & interfaces

HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
Charging port type	DC-in jack
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard backlit zone	Per-key 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	330 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	16.5 A
AC adapter output voltage	20 V

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 *	3.1 kg

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