



ASUS ROG Strix SCAR 18 G834JYR-R6019W Laptop 45.7 cm (18") WQXGA Intel® Core™ i9 i9-14900HX 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: 90NR0IP2-M000R0

Product name : G834JYR-R6019W



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



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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 and Tri-Fan Technology, the 2024 ROG Strix SCAR 18 and SCAR 18 are here to take the gaming world by storm.

Design		Graphics	
Colour name	Off Black	On-board graphics card family	Intel® UHD Graphics
Product type *	Laptop	On-board graphics card model *	Intel® UHD Graphics
Product colour *	Black	Discrete graphics card memory	16 GB
Form factor *	Clamshell	Discrete graphics memory type	GDDR6
Market positioning	Gaming	NVIDIA G-SYNC	✓
Display		Audio	
Display diagonal *	45.7 cm (18")	Audio system	Dolby Atmos
Display resolution *	2560 x 1600 pixels	Number of built-in speakers	2
Touchscreen *	✗	Built-in microphone	✓
HD type	WQXGA	Camera	
Panel type	Mini LED	Front camera	✓
Native aspect ratio	16:10	Front camera HD type	HD
Anti-glare screen	✓	Network	
Display brightness	1100 cd/m ²	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
RGB colour space	DCI-P3	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Colour gamut	100%	Mobile network connection *	✗
Display response rise/fall	3 ms	Antenna type	2x2
Maximum refresh rate	240 Hz	Ethernet LAN	✓
High Dynamic Range (HDR) supported	✓	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
High Dynamic Range (HDR) technology	Dolby Vision	Bluetooth	✓
Processor		Bluetooth version	5.3
Processor manufacturer *	Intel	Ports & interfaces	
Processor generation	Intel Core i9-14xxx	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor family *	Intel® Core™ i9	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor model *	i9-14900HX	Ethernet LAN (RJ-45) ports	1
Efficient-core base frequency	1.6 GHz	HDMI ports quantity *	1
Processor boost frequency	5.8 GHz	HDMI version	2.1
Performance-core base frequency	2.2 GHz	Thunderbolt 4 ports quantity	1
Efficient-core Max Turbo Frequency	4.1 GHz	Intel® Thunderbolt 4	✓
Performance-core Max Turbo Frequency	5.8 GHz		

Processor		Ports & interfaces	
Processor cores	24	Combo headphone/mic port	✓
Performance cores	8	Charging port type	DC-in jack
Efficient cores	16	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	36 MB	USB Power Delivery	✓
Processor cache type	Smart Cache	Keyboard	
Processor base power	55 W	Pointing device	Touchpad
Maximum turbo power	157 W	Numeric keypad *	✓
Memory		Keyboard backlit	✓
Internal memory *	32 GB	Keyboard backlit colour	RGB
Internal memory type	DDR5-SDRAM	Keyboard backlit zone	Per-key RGB
Memory clock speed	4800 MHz	Software	
Memory form factor	SO-DIMM	Operating system architecture	64-bit
Memory layout (slots x size)	2 x 16 GB	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM	Battery	
Maximum internal memory *	64 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory channels	Dual-channel	Number of battery cells	4
Storage		Battery capacity *	90 Wh
Total storage capacity *	2 TB	Power	
Storage media *	SSD	AC adapter power	330 W
Total SSDs capacity	2 TB	AC adapter frequency	50 - 60 Hz
Number of SSDs installed	2	AC adapter input voltage	100 - 240 V
SSD capacity	1 TB	AC adapter output current	16.5 A
SSD interface	PCI Express 4.0	AC adapter output voltage	20 V
NVMe	✓	Security	
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Password protection	✓
Card reader integrated	✗	Password protection type	BIOS, User
Graphics		Weight & dimensions	
Discrete GPU manufacturer	NVIDIA	Width	399 mm
Discrete graphics card model *	NVIDIA GeForce RTX 4090	Depth	294 mm
On-board graphics card *	✓	Height (front)	2.31 cm
Discrete graphics card *	✓	Height (rear)	3.08 cm
		Weight *	3.1 kg



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