

ASUS ROG Strix G18 G814PM-S8023W AMD Ryzen™ 9 8940HX Laptop 45.7 cm (18") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6E (802.11ax) Windows 11 Home Grey QWERTZ German



Brand : ASUS

Product family: ROG

Product code: 90NR0L28-M00130

Product name : G814PM-S8023W

AMD Ryzen 9 8940HX (2.4GHz), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") WUXGA 1920 x 1200 IPS, AMD Radeon 610M, NVIDIA GeForce RTX 5060 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

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ROG Strix G18

UNITE YOUR SQUAD. RISE TO VICTORY.

Reach new heights of Windows 11 Pro gaming with the 2025 ROG Strix G18, boasting up to an AMD Ryzen™ 9 9955HX processor and up to an NVIDIA® GeForce RTX™ 5070 Laptop GPU with a max TDP of 115W.

Power up your play

Draw more frames and win more games with the brand new Strix G18 and Windows 11 Pro. Powered by up to an AMD Ryzen™ 9 9955HX processor and up to an NVIDIA® GeForce RTX™ 5070 Laptop GPU boasting a max TGP of 115W with Dynamic Boost, be ready to dominate the competition in all of the latest games. With up to 32GB of 5600MHz DDR5 RAM and PCIe Gen 4.0 SSD storage, and the ability to upgrade one slot to a PCIe Gen 5 drive*, large game libraries and intense multitasking sessions are a breeze for this gaming machine.

Design		Camera	
Colour name	Eclipse Gray	Front camera	✓
Product type *	Laptop	Front camera HD type	Full HD
Product colour *	Grey	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Market positioning	Gaming	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display		Mobile network connection *	✗
Display diagonal *	45.7 cm (18")	Antenna type	2x2
Display resolution *	1920 x 1200 pixels	Ethernet LAN	✓
Touchscreen *	✗	Bluetooth	✓
HD type	WUXGA	Bluetooth version	5.3
Panel type	IPS	Ports & interfaces	
Native aspect ratio	16:10	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Anti-glare screen	✓	USB4 Gen 3x2 ports quantity	2
Display diagonal (metric)	45.7 cm	Ethernet LAN (RJ-45) ports	1
RGB colour space	sRGB	HDMI ports quantity *	1
Colour gamut	100%	HDMI version	2.1
Maximum refresh rate	144 Hz	Combo headphone/mic port	✓
Processor		USB Type-C DisplayPort Alternate Mode	✓
Processor manufacturer *	AMD	Keyboard	
Processor family *	AMD Ryzen™ 9	Pointing device	Touchpad
Processor generation	AMD Ryzen 8000 Series	Numeric keypad *	✓
Processor model *	8940HX	Keyboard backlit	✓
Processor cores	16	Keyboard backlit colour	RGB
Processor threads	32		
Processor boost frequency	5.3 GHz		
Processor frequency *	2.4 GHz		

Processor		Keyboard	
Processor cache type	L2 & L3	Keyboard backlit zone	Per-key RGB
L3 cache	64 MB	Keyboard layout	QWERTZ
L2 cache	16 MB	Keyboard language	German
Memory		Software	
Internal memory *	32 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Trial software	Microsoft 365 (30-day trial)
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Home
Memory form factor	SO-DIMM	Battery	
Memory slots	2x SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	64 GB	Number of battery cells	4
Storage		Battery capacity *	90 Wh
Total storage capacity *	1 TB	Power	
Storage media *	SSD	AC adapter power	280 W
Total SSDs capacity	1 TB	AC adapter frequency	50 - 60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	1 TB	AC adapter output current	14 A
SSD interface	PCI Express 4.0	AC adapter output voltage	20 V
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Optical drive type *	✗	Security	
Graphics		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5060	Password protection	✓
Discrete graphics card memory	8 GB	Password protection type	BIOS, User
Discrete graphics memory type	GDDR7	Weight & dimensions	
On-board graphics card *	✓	Width	399 mm
On-board GPU manufacturer	AMD	Depth	294 mm
Discrete graphics card *	✓	Height (front)	2.31 cm
On-board graphics card family	AMD Radeon	Height (rear)	3.08 cm
On-board graphics card model *	AMD Radeon 610M	Weight *	3 kg
NVIDIA G-SYNC	✓	Packaging data	
AMD FreeSync	✓	Package width	350 mm
Audio		Package depth	110 mm
Audio system	Dolby Atmos	Package height	460 mm
Number of built-in speakers	2	Package weight	3.25 kg
Built-in microphone	✓	Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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