

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 German Grey



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	Keyboard backlit zone	Per-key RGB
Processor boost frequency	5.3 GHz		
Processor frequency *	2.4 GHz		
Processor cache type	L2 & L3		

Processor		Keyboard	
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		
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
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		
SSD capacity	1 TB		
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Graphics		Power	
Discrete graphics card model *	NVIDIA GeForce RTX 5060	AC adapter power	280 W
Discrete graphics card memory	8 GB	AC adapter frequency	50 - 60 Hz
Discrete graphics memory type	GDDR7	AC adapter input voltage	100 - 240 V
On-board graphics card *	✓	AC adapter output current	14 A
On-board GPU manufacturer	AMD	AC adapter output voltage	20 V
Discrete graphics card *	✓	USB Type-C charging port *	✓
On-board graphics card family	AMD Radeon	USB Power Delivery (USB PD)	✓
On-board graphics card model *	AMD Radeon 610M		
NVIDIA G-SYNC	✓		
AMD FreeSync	✓		
Audio		Security	
Audio system	Dolby Atmos	Trusted Platform Module (TPM)	✓
Number of built-in speakers	2	Password protection	✓
Built-in microphone	✓	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 data	
		Package width	350 mm
		Package depth	110 mm
		Package height	460 mm
		Package weight	3.25 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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